SRI VENKATESWARA COLLEGE
University of Delhi
NAAC Accredited "A" Grade (2016), DBT Star College Status (2016)
NIRF Rank # 14 (2020), NIRF #11(2021)

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Dhaula Kuan, New Delhi -110021
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DVV CLARIFICATION

CRITERIA 1

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1. Number of Programmes in which CBCS/Elective course system implemented

HEI Input: 29

DVV Suggested Input: 30

Change Input: 30

Findings of DVV

1) Provide input changed as per the data template.

2) Provide list of programs in which CBCS/Elective course system implemented in the last completed academic year certified by the Registrar of the affiliating University.

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3) Provide Minutes of relevant academic council/ BOS meetings highlighting the relevant documents to this metric of the affiliating university.

4) Provide affiliating University letter stating implementation of CBCS.

5) Provide structure of the program clearly indicating courses, credits/Electives as approved by the competent board.

Response of HEI

1) The suggested input has been taken and hence, changed.

2) The Affiliating University letter stating the implementation of CBCS has been uploaded.

3) The minutes of the relevant Academic Council/ BOS meetings highlighting the relevant documents have been signed and uploaded.

4) Structure of each program indicating the courses and the credits have been signed and uploaded.

C. Shula Reddy

दिल्ली विश्वविद्यालय
UNIVERSITY OF DELHI

TO WHOM IT MAY CONCERN

This is to certify that **Sri Venkateswara College, Benito Juarez Road Dhaula Kuan, New Delhi-110021** is a constituent college of the "University of Delhi" since 1961 and is recognized by University Grants Commission under Section 2(f) and 12(b). The following undergraduate/ postgraduate courses/subjects are taught in the said college as per approval:

I. Undergraduate Courses

S.No.	Name of the Course(s)	Programme Duration	Affiliation		Period of Validity for the year(s)
			Permanent	Temporary	
1.	B.Sc (H) Biochemistry	3 Years	Permanent		-
2.	B.Sc (H) Biological Science	3 Years	Permanent		-
3.	B.Sc (H) Botany	3 Years	Permanent		-
4.	B.Sc (H) Chemistry	3 Years	Permanent		-
5.	B.Sc (H) Electronics	3 Years	Permanent		-
6.	B.Sc (H) Physics	3 Years	Permanent		-
7.	B.Sc (H) Zoology	3 Years	Permanent		-
8.	B.Sc (H) Mathematics	3 Years	Permanent		-
9.	B.Sc (H) Statistics	3 Years	Permanent		-
10.	B.Sc (Prog) Life Sciences	3 Years	Permanent		-
11.	B.Com.(H)	3 Years	Permanent		-
12.	B.Com.(P)	3 Years	Permanent		-
13.	B.A. (H) English	3 Years	Permanent		-
14.	B.A. (H) Hindi	3 Years	Permanent		-
15.	B.A. (H) Sanskrit	3 Years	Permanent		-
16.	B.A. (H) Economics	3 Years	Permanent		-
17.	B.A. (H) History	3 Years	Permanent		-
18.	B.A. (H) Political Science	3 Years	Permanent		-
19.	B.A. (H) Sociology	3 Years	Permanent		-
20.	B.A (Programme)	3 Years	Permanent		-

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Contd....P/2

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: 2 :

II. List of Postgraduate Courses

S.No.	Name of the Course(s)	Programme Duration	Affiliation		Period of Validity for the year(s)
			Permanent	Temporary	
1.	M.A. (English)	2 years	Permanent		-
2.	M.A. (History)	2 years	Permanent		-
3.	M.A.(Sanskrit)	2 years	Permanent		-
4.	M.Sc.(Mathematics)	2 years	Permanent		-
5.	M.Sc. (Statistics)	2 years	Permanent		-
6.	M.Sc. (Botany)	2 years	Permanent		-
7.	M.Sc. (Chemistry)	2 years	Permanent		-
8.	M.Sc. (Physics)	2 years	Permanent		-
9.	M.Sc. (Zoology)	2 years	Permanent		-

II. List of PG Diploma Courses

S.No.	Name of the Course(s)	Programme Duration	Affiliation		Period of Validity for the year(s)
			Permanent	Temporary	
1.	PG Diploma in Molecular & BioChemical Technology	1 years	Permanent		-

Registrar

Seal कुलसचिव/**Registrar**
दिल्ली विश्वविद्यालय/**University of Delhi**
दिल्ली--110 007/Delhi-110007

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The Principal,
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan,
New Delhi-110021.

MINUTES OF THE MEETING OF THE ACADEMIC COUNCIL
Held on Monday, the 13th July, 2015 at 09:00 A.M. in the
Council Hall, University of Delhi, Delhi-7

N0. 1

PRESENT

1. Prof. Dinesh Singh   Vice-Chancellor - Chairman
2. Prof. Sudhish Pachauri   Pro-Vice-Chancellor
3. Prof. Umesh Rai   Director, D. U. South Campus
4. Prof. Malashri Lal   Dean of Colleges
5. Prof. C.S. Dubey   Director, C.O.L.
6. Prof. Abhijit Shankar Dasgupta
7. Prof. Ajay Kumar
8. Prof. A.K. Pradhan
9. Prof. Amitabha Mukherjee
10. Prof. Ashwani Kumar Bansal
11. Prof. Bindu Puri
12. Prof. C.K. Jaggi
13. Prof. Devesh Kumar Sinha
14. Prof. Gopeshwar Singh
15. Prof. Gurmeet Singh
16. Prof. H. C. Pokhriyal
17. Prof. H.P. Gangnegi
18. Prof. J.M. Khurana
19. Prof. J.P. Khurana
20. Prof. J.P. Sharma
21. Prof. Manoj Kumar Jha
22. Prof. Minni Sawhney
23. Prof. Nandita Babu
24. Prof. Neeta Sehgal
25. Prof. N. M. Kamal
26. Prof. Ramesh Chand Sharma
27. Prof. Rawail Singh
28. Prof. R.C. Bhardwaj
29. Prof. R.K. Saxena
30. Prof. Reva Tripathi
31. Prof. Sadhna Saxena
32. Prof. S.M.S. Chauhan
33. Prof. Sumanyu Satpathy
34. Prof. Suresh Aggarwal
35. Prof. S.K. Muttoo
36. Prof. Satendra Sharma
37. Prof. Ved Pal Singh
38. Prof. Vinay Kumar Srivastava
39. Prof. Ujjwal Kumar Singh
40. Prof. Uma Garg

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41. Prof. Upinder Singh
42. Prof. Wali Akhtar
43. Prof. J.P. Dubey
44. Prof. M.S. Bhatia
45. Prof. Rashmi Joshi
46. Dr. A.A. Khan
47. Dr. Anupa Siddhu
48. Dr. Ashwani Kumar
49. Dr. Bharat Singh
50. Dr. Devinder Kumar Kansal
51. Dr. D.V. Singh
52. Dr. G.K. Arora
53. Dr. Hemalatha Reddy
54. Dr. Hem Chand Jain
55. Dr. Imteyaz Ahmad
56. Dr. Inder Jeet
57. Dr. I.S. Bakshi
58. Dr. Jaswinder Singh
59. Dr. Jatinder Bir Singh
60. Dr. K. Premananthan
61. Dr. K.P. Singh
62. Dr. Man Mohan Kaur
63. Dr. Mohd. Arif
64. Dr. Md. Riyazuddin Khan
65. Dr. M. Ramananda Singh
66. Dr. Nachiketa Singh
67. Dr. Nilanjan Bhomick
68. Dr. P.K. Khurana
69. Dr. R.B. Singh
70. Dr. R.S. Sharma
71. Dr. R.N. Dubey
72. Dr. Sanjay Malhotra
73. Dr. Savita Datta
74. Dr. Savithri Singh
75. Dr. Sunil Sondhi
76. Dr. Shailendra Kumar
77. Dr. Samrendra Kumar
78. Dr. Sujeet Kumar
79. Dr. Sunaina Kanojia
80. Dr. Vinay K. Singh
81. Dr. V.S. Dixit
82. Ms. Lata
83. Sh. Gaurav Goel
84. Sh. Hans Raj Suman
85. Sh. Mahendra Kumar Meena
86. Sh. Rudrashish Chakraborty
87. Sh. Shashi Shekhar Prasad Sngh
88. Sh. Sachin N.

SPECIAL INVITEE

1. Prof. Rup Lal
2. Prof. Anand Prakash
3. Prof. M.M. Chaturvedi
4. Prof. Ramesh Gautam
5. Dr. Satish Kumar
6. Sh. Z.V.S. Parsad

    Prof. Tarun Kumar Das   **Registrar – Secretary**

REGRETS

1. Prof. Enakshi Sharma
2. Prof. Sreemati Chakrabarti
3. Dr. M.L. Singla
4. Dr. P.C. Ghosh

WELCOME

01/ At the outset, the Council welcomed the following who had become members of the Academic Council:

Deans of the Faculties

1. Prof. Muneesh Kumar
2. Dr. Mohd. Idris Khan

Heads of the Departments

1. Prof. Muneesh Kumar
2. Prof. Jaspal Singh Dali
3. Prof. Satendra Sharma
4. Prof. M.S. Bhatia
5. Prof. Arun Goyal
6. Prof. Rawail Singh
7. Prof. J.P. Dubey
8. Dr. Mohd. Idris Khan

One Professor from the Faculty of Medical Sciences by rotation according to seniority

1. Prof. Reva Tripathi

Principals of the Colleges

1. Dr. P.K. Khurana
2. Dr. (Ms.) Manmohan Kaur
3. Dr. Jatinder Bir Singh

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Elected Members

1. Dr. Nachiketa Singh
2. Dr. V. S. Dixit
3. Dr. Hem Chand Jain
4. Dr. Geeta Bhatt
5. Dr. M. Ramananda Singh
6. Dr. Vinay Kumar Singh
7. Dr. Sujeet Kumar
8. Dr. Bharat Singh
9. Dr. R. N. Dubey
10. Dr. Mahak Singh
11. Dr. Samrendra Kumar
12. Dr. Md. Riyazuddin Khan
13. Dr. Mohd. Arif
14. Dr. Sunaina Kanojia
15. Dr. K. P. Singh
16. Dr. Imteyaz Ahmad
17. Dr. Lalit Maini
18. Ms. Lata
19. Mrs. Jyoti Sabharwal
20. Sh. Suneel Kumar
21. Sh. Rudrashish Chakraborty
22. Sh. Gaurav Goel
23. Sh. Sachin N.
24. Sh. Mahendra Kr. Meena
25. Sh. Hans Raj
26. Sh. Shashi Shekhar Prasad Singh,

APPRECIATION

02/ The Council placed on record its deep sense of appreciation of the services rendered by the following during their tenure as members of the Academic Council:

Deans of the Faculties

1. Prof. C.P. Gupta
2. Dr. S.M.A. Rizvi

Heads of the Departments

1. Prof. C.P. Gupta
2. Prof. Rakesh Kumar
3. Prof. S.K. Bansal
4. Prof.(Ms.) Meera Sikka
5. Prof. Gopesh Mehrotra
6. Prof. N.B. Mathur
7. Prof. Lakshmi Vaid
8. Prof. R.C. Jiloha
9. Dr. Manjit Singh
10. Dr. S.M.A. Rizvi
11. Dr. Rajesh
12. Dr. A.S. Yaruingam
13. Dr. D.K. Kansal

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Six Professors by rotation according to seniority

1. Prof. Vijay Kumar Chaudhury
2. Prof. S.L. Malik
3. Prof. Pulin B. Nayak

One Professor from the Faculty of Medical Sciences by Rotation according to seniority

1. Prof. Preena Bhalla

Principals of the Colleges

1. Dr.(Ms.) Pratibha Jolly
2. Dr.(Ms.) Pramodini Verma
3. Dr.(Ms.) Vijay Laxmi Pandit

Elected Members

1. Dr. Suman Sharma
2. Dr. Ritu Goel
3. Dr. Sadhna Sharma
4. Dr. Rajesh Kr. Jha
5. Dr. Renu Bala
6. Dr. M.R. Chhikara
7. Dr. S.K. Sagar
8. Dr. A.K. Bhagi
9. Dr. A.M. Khan
10. Dr. Anil Kumar Jha
11. Dr. (Ms.) Saloni Gupta
12. Dr. Amitava Chakraborty
13. Dr. Nikhil Jain
14. Dr. Sanjay Kumar
15. Dr. Mridula Arora
16. Dr. Sujeet Kumar
17. Dr. Mahak Singh
18. Dr. Mukesh Agarwal
19. Dr. Monic Misra
20. Dr. Avinash Kumar
21. Dr. Sunaina Kanojia
22. Dr. M.Madhusudhan
23. Dr. Rajeev Uppal
24. Sh. Rudrashish Chakraborty
25. Sh. R.P. Tulsian
26. Sh. Mahendra Kumar Meena

03/   The Minutes of the meeting of the Academic Council held on 21.01.2015 be confirmed.(vide **Appendix-1**)

04/   Resolved that the "Action Taken" on the Minutes of the meeting of Academic Council held on 21.01.2015 be reported and recorded (vide **Appendix-2**)

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05/ The Council considered and accepted the following recommendations of the **Standing Committee on Academic Matters** made at its meeting held on Saturday, the 11th July, 2015 on Choice Based Credit System (CBCS) syllabi of various under-graduate courses/papers, to be implemented from the academic session 2015-2016, as proposed by the Faculties concerned, and recommended to the Executive Council for approval:

1/ "Resolved that the recommendations of the Faculty of Arts made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Punjabi,** to be implemented from the academic session 2015-2016, be accepted:

    1. B.A. (Hons.) Punjabi **(vide Appendix-3)**

    2. Punjabi Paper in B.Com. (Hons.)/B.Sc.(Hons.)/B.A.(Prog)/B.Com.(Prog.)/ B.Sc. (Prog.) **(vide Appendix-4)**

2/ "Resolved that the recommendations of the Faculty of Arts made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Psychology,** to be implemented from the academic session 2015-2016, be accepted:

    1. B.A. (Hons.) Psychology **(vide Appendix-5)**

    2. B.A. (Hons.) Applied Psychology **(vide Appendix-6)**

    3. Psychology paper in B.A. (Programme) **(vide Appendix-7)**

3/ "Resolved that the recommendations of the Faculty of Arts made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Philosophy,** to be implemented from the academic session 2015-16, be accepted with minor modifications:

    1. B.A. (Hons.) Philosophy **(vide Appendix-8)**

    2. Philosophy paper in B.A. (Programme) **(vide Appendix-9)**

4/ "Resolved that the recommendations of the Faculty of Arts made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Persian,** to be implemented from the academic session 2015-2016, be accepted:

    1. B.A. (Hons.) Persian **(vide Appendix-10)**

    2. Persian paper in B.A. (Programme.) **(vide Appendix-11)**

5/ "Resolved that the recommendations of the Faculty of Arts made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Modern Indian Languages and Literary Studies,** to be implemented from the academic session 2015-2016, be accepted:

    1. B.A.(Hons.) Bengali **(vide Appendix-12)**

    2. (Assamese, Bengali, Gujarati, Manipuri, Odia, Sindhi, Tamil, Telugu) papers in B.A.(Programme) **(vide Appendix-13)**

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6/ "Resolved that the recommendations of the Faculty of Arts made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Sanskrit,** to be implemented from the academic session 2015-2016, be accepted:

    1. B.A. (Hons.) Sanskrit (vide Appendix-14)

    2. Sanskrit paper in B.A. (Programme) **(vide Appendix-15)**

7/ "Resolved that the recommendations of the Faculty of Arts made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Arabic,** to be implemented from the academic session 2015-2016, be accepted:

    1. B.A. (Hons.) Arabic **(vide Appendix-16)**

    2. Arabic paper in B.A. (Programme) **(vide Appendix-17)**

8/ "Resolved that the recommendations of the Faculty of Arts made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Hindi,** to be implemented from the academic session 2015-2016, be accepted:

    1. B.A. (Hons.) Hindi **(vide Appendix-18)**

    2. Hindi paper in B.A./ B.Com. (Programme) **(vide Appendix-19)**

9/ "Resolved that the recommendations of the Faculty of Arts made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate paper under Choice Based Credit System of **Department of Linguistics,** to be implemented from the academic session 2015-2016, be accepted:

    1. Linguistics paper in B.A. (Programme) **(vide Appendix-20)**

10/ "Resolved that the recommendations of the Faculty of Arts made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Urdu,** to be implemented from the academic session 2015-2016, be accepted:

    1. B.A. (Hons.) Urdu **(vide Appendix-21)**

    2. Urdu Elective paper in other courses **(vide Anexure-22)**

11/ "Resolved that the recommendations of the Faculty of Arts made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of English,** to be implemented from the academic session 2015-2016, be accepted:

    1. B.A. (Hons.) English (vide Appendix-23)

    2. English paper in B.A./B.Com. (Programme) **(vide Appendix-24)**

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12/ "Resolved that the recommendations of the Faculty of Arts made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Germanic & Romance Studies,** to be implemented from the academic session 2015-2016, be accepted:

1. B.A. (Hons.) German **(vide Appendix-25)**
2. B.A. (Hons.) Italian **(vide Appendix-26)**
3. B.A. (Hons.) Spanish **(vide Appendix-27)**
4. B.A. (Hons.) French **(vide Appendix-28)**

13/ "Resolved that the recommendations of the Faculty of Mathematical Sciences made at its meeting held on 16.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Mathematics,** to be implemented from the academic session 2015-2016, be accepted:

1. B.Sc. (Hons.) Mathematics **(vide Appendix-29)**
2. Mathematics papers in B.A. (Prog.) **(vide Appendix-30)**
3. Mathematics papers in B.Sc. (H)/B.A. (H) other than B.Sc. (H) Mathematics **(vide Appendix-31)**
4. Skill Enhancement Course papers in B.Sc. (H) Mathematics/B.Sc. (Prog.)/B.A. (Prog.) **(vide Appendix-32)**
5. Physical Sciences/Applied Physical Sciences in B.Sc. (Prog.) **(vide Appendix-33)**

14/ "Resolved that the recommendations of the Faculty of Mathematical Sciences made at its meeting held on 03.07.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Statistics,** to be implemented from the academic session 2015-2016, be accepted:

1. Statistics paper in B.A. Programme **(vide Appendix-34)**
2. Physical Science/Mathematical Sciences in Statistics paper in B.Sc. (Prog.) **(vide Appendix-35)**

15/ "Resolved that the recommendations of the Faculty of Mathematical Sciences made at its meeting held on 16.06.2015 and 03.07.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Computer Science,** to be implemented from the academic session 2015-2016, be accepted:

1. B.Sc. (Hons.) Computer Science **(vide Appendix-36)**
2. Computer Science in B.Sc. Programme **(vide Appendix-37)**
3. Computer Applications in B.A. Programme **(vide Appendix-38)**
4. Mathematical Sciences in B.Sc. (Prog.) **(vide Appendix-39)**
5. General Elective for students other than B.Sc. (Hons.)/Computer Science **(vide Appendix-40)**

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16/ "Resolved that the recommendations of the Faculty of Mathematical Sciences made at its meeting held on 16.06.2015 and 03.07.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Operational Research,** to be implemented from the academic session 2015-2016, be accepted:

1. Operational Research paper in B.A. Programme(**vide Appendix-41**)
2. Physical Sciences in B.Sc. (Prog.) (**vide Appendix-42**)
3. Applied Physical Sciences in B.Sc. (Prog.) (**vide Appendix-43**)
4. Generic Elective Operational Research papers in B.Sc. (Hons.)/B.A. (Hons.) (**vide Appendix-44**)
5. Skill Enhancement Course papers in B.Sc. (Programme) Mathematical Sciences/Physical Science/Applied Physical Science/B.A. (Programme) (**vide Appendix-45**)

17/ "Resolved that the recommendations of the Faculty of Music & Fine Arts made at its meeting held on 18.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Music,** to be implemented from the academic session 2015-2016, be accepted:

1. B.A. (Hons.) Hindustani Music (Vocal/Instrumental) (**vide Appendix-46**)
2. B.A. (Hons.) Karnatak Music (Vocal /Instrumental) (**vide Appendix-47**)
3. B.A. (Hons.) Percussion Music (Tabla/Pakhawaj) (**vide Appendix-48**)
4. Hindustani Music (Vocal/Instrumental) paper in B.A. (Prog.) (**vide Appendix-49**)
5. Supplementary Courses for B.A. (Prog.) Vocational and Applied Courses in Music (**vide Appendix-50**)

18/ "Resolved that the recommendations of the Faculty of Social Sciences made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Political Science,** to be implemented from the academic session 2015-2016, be accepted:

1. B.A. (Hons.) Political Science (**vide Appendix-51**)
2. Political Science paper in B.A. (Prog.) (**vide Appendix-52**)

19/ "Resolved that the recommendations of the Faculty of Social Sciences made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Geography,** to be implemented from the academic session 2015-2016, be accepted:

1. B.A. (Hons.) Geography (**vide Appendix-53**)
2. Geography paper in B.A. (Prog.) (**vide Appendix-54**)

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20/ "Resolved that the recommendations of the Faculty of Social Sciences made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Economics,** to be implemented from the academic session 2015-2016, be accepted:

    1. B.A. (Hons.) Economics (vide **Appendix-55)**

    2. Economics paper in B.A. (Prog.) (vide **Appendix-56)**

21/ "Resolved that the recommendations of the Faculty of Social Sciences made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of History,** to be implemented from the academic session 2015-2016, be accepted:

    1. B.A. (Hons.) History (vide **Appendix-57)**

    2. History paper in B.A. (Prog.) (vide **Appendix-58)**

22/ "Resolved that the recommendations of the Faculty of Social Sciences made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Social Work,** to be implemented from the academic session 2015-2016, be accepted:

    1. B.A. (Hons.) Social Work (vide **Appendix-59)**

23/ "Resolved that the recommendations of the Faculty of Social Sciences made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Sociology,** to be implemented from the academic session 2015-2016, be accepted:
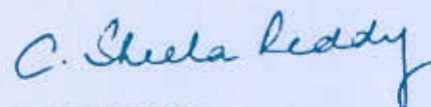
    1. B.A. (Hons.) Sociology (vide **Appendix-60)**

    2. Sociology paper in B.A. (Prog.) (vide **Appendix-61)**

24/ "Resolved that the recommendations of the Faculty of Social Sciences made at its meeting held on 19.06.2015 regarding syllabi of the following under-graduate elective papers under Choice Based Credit System, to be implemented from the academic session 2015-2016, be accepted (vide **Appendix-62)**

    1.   Department of East Asian Studies,

    2.   Department of Adult Continuing Education & Extension and

    3.   Department of African Studies

25/ "Resolved that the recommendations of the Faculty of Commerce and Business made at its meeting held on 26.06.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Commerce,** to be implemented from the academic session 2015-2016, be accepted:

    1.   B.Com. (Hons.)(vide **Appendix-63)**

    2.   B.Com.(vide **Appendix-64)**

    3.   B.A. (Prog.)-Commerce based courses (vide **Appendix-65)**

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26/ "Resolved that the recommendations of the **Faculty of Applied Social Sciences and Humanities** made at its meeting held on 03.06.2015 regarding revision of syllabi of the following under-graduate courses/papers under Choice Based Credit System, to be implemented from the academic session 2015-2016, be accepted with minor modifications (nomenclature and sequence as per UGC guidelines):

1. B.A. (Hons.) Journalism(**vide Appendix-66**)

2. B.A. (Hons.) Multi Media and Mass Communication (BMMMC) (**vide Appendix-67**)

3. B.A. (Hons.) Hindi Journalism & Mass Communication (**vide Appendix-68**)

4. Bachelor of Business Administration (Financial Investment Analysis) (**vide Appendix-69**)

5. B.A. (Hons.) Business Economics (**vide Appendix-70**)

6. Bachelors in Management Studies (**vide Appendix-71**)

27/ "Resolved that the recommendations of the Faculty of Science made at its meeting held on 23.06.2015 and 06.07.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Anthropology** to be implemented from the academic session 2015-2016, be accepted with minor modifications:

1. B.Sc. (Hons.) Anthropology (**vide Appendix-72**)

2. B.Sc. (Hons.) Forensic Science (**vide Appendix-73**)

28/ "Resolved that the recommendations of the **Faculty of Science made** at its meeting held on 23.06.2015 and 06.07.2015 regarding syllabus of B.Sc. (Hons.) Course in Bio-Medical Sciences under Choice Based Credit System, to be implemented from the academic session 2015-2016, be accepted(**vide Appendix-74**)

29/ "Resolved that the recommendations of the Faculty of Science made at its meeting held on 23.06.2015 and 06.07.2015 regarding choice based syllabus of B.Sc. (Hons.) Course in Biological Science under Choice Based Credit System, to be implemented from the academic session 2015-2016, be accepted (**vide Appendix-75**)

30/ "Resolved that the recommendations of the Faculty of Science made at its meeting held on 23.06.2015 and 06.07.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of Department of Botany, Chemistry and Zoology, to be implemented from the academic session 2015-2016, be accepted with minor modifications:

1. B.Sc. (Hons.) Botany (**vide Appendix-76**)

2. B.Sc. (Hons.) Chemistry(**vide Appendix-77**)

3. B.Sc. (Hons.) Zoology (**vide Appendix-78**)

4. B.Sc. (Prog.) Life Science (Botany, Chemistry, Zoology) (**vide Appendix-79**)

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31/ "Resolved that the recommendations of the **Faculty of Science** made at its meeting held on 23.06.2015 and 06.07.2015 regarding syllabus of Electronics in B.Sc. Programme under Choice Based Credit System, to be implemented from the academic session 2015-2016, be accepted **(vide Appendix-80)**

32/ "Resolved that the recommendations of the **Faculty of Science** made at its meeting held on 23.06.2015 and 06.07.2015 regarding syllabus of B.Sc. (Hons.) Environmental Science under Choice Based Credit System as deferred by Standing Committee on Academic Matters be accepted **(vide Appendix-81)**

33/ "Resolved that the recommendations of the **Faculty of Science** made at its meeting held on 23.06.2015 and 06.07.2015 regarding syllabus of B.Sc. (Hons.) Geology under Choice Based Credit System, to be implemented from the academic session 2015-2016, be accepted **(vide Appendix-82)**

34/ "Resolved that the recommendations of the **Faculty of Science** made at its meeting held on 23.06.2015 and 06.07.2015 regarding syllabus of B.Sc. (Hons.) Food Technology under Choice Based Credit System, to be implemented from the academic session 2015-2016, be accepted **(vide Appendix-83)**

35/ "Resolved that the recommendations of the Faculty of Science made at its meeting held on 23.06.2015 and 06.07.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Home Science,** to be implemented from the academic session 2015-2016, be accepted:

    1.   B.Sc. (Hons.) Home Science **(vide Appendix-84)**
    2.   Home Science in B.Sc. (Prog.) **(vide Appendix-85)**
    3.   Home Science in B.A. (Prog.) **(vide Appendix-85-A)**

36/ "Resolved that the recommendations of the Faculty of Science made at its meeting held on 23.06.2015 and 06.07.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of **Department of Physics,** to be implemented from the academic session 2015-2016, be accepted:

    1.   B.Sc. (Hons.) Physics **(vide Appendix-86)**
    2.   Physics in B.Sc. (Prog.) **(vide Appendix-87)**

37/ "Resolved that the recommendations of the **Faculty of Science** made at its meeting held on 23.06.2015 and 06.07.2015 regarding syllabus of B.Sc. (Hons.) Polymer Science under Choice Based Credit System, to be implemented from the academic session 2015-2016, be accepted **(vide Appendix-88)**

38/ "Resolved that the recommendations of the **Faculty of Inter-disciplinary & Applied Sciences** regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System, to be implemented from the academic session 2015-2016, be accepted:

    1.   B.Sc. (Hons.) Bio-Chemistry **(vide Appendix-89)**
    2.   B.Sc. (Hons.) Microbiology **(vide Appendix-90)**
    3.   B.Sc. (Hons.) Electronic Science **(vide Appendix-91)**
    4.   B.Sc. (Hons.) Instrumentation **(vide Appendix-92)**
    5.   Electronic in B.Sc. (Prog.) **(vide Appendix-93)**

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39/ "Resolved that the recommendations of the **Faculty of Mathematical Sciences** made at its meeting held on 09.07.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System of Department of Statistics be referred back to the Faculty/Department.

      1.   B.Sc. (Hons.) Statistics **(Appendix)**
      2.   Generic papers for B.Sc. (Hons.)/B.A. (Hons.) other than B.Sc. (Hons.) Statistics (Appendix)

40/ "Resolved that the recommendations of the Faculty of Arts made at its meeting held on 19.06.2015 regarding syllabus of Buddhist Studies paper in B.A. (Programme) under Choice Based Credit System of the **Department of Buddhist Studies**, to be implemented from the academic session 2015-2016, be accepted with minor modification**(videAppendix-94)**

41/ "Resolved that the recommendations of the **Faculty of Inter-Disciplinary and Applied Sciences** made at its meeting held on 11.06.2015 regarding syllabus of following under graduate course/ paper under Choice Based Credit System to be implemented from the academic session 2015-2016, be accepted with minor modification

      1. B.Sc. Physical Education, Health Education & Sports (PEHES) **(vide Appendix-95)**

      2. Physical & Health Education in B.A. (Prog.) **(vide Appendix-95 A)**

42/ "Resolved that the recommendations of the **Faculty of Social Sciences** made at its meeting held on 11.07.2015 regarding syllabi of the following under-graduate courses/papers under Choice Based Credit System, to be implemented from academic session 2015-16, be accepted with minor modification **(vide Appendix-96)**:-

      1. B.A. (Vocational Studies) Human Resource Management.

      2. B.A. (Vocational Studies) Marketing Management and Retail Business.

      3. B.A. (Vocational Studies) Tourism Management.

      4. B.A. (Vocational Studies) Management and Marketing of Insurance.

      5. B.A. (Vocational Studies) Office Management and Secretarial Practice.

      6. B.A. (Vocational Studies) Small and Medium Enterprises.

      7. B.A. (Vocational Studies) Materials Management.

(Twenty two members dissented to Res. No. 5(1) to 5(42))

06/ The Council considered and accepted the following recommendations of the Standing Committee on Academic Matters made in its meeting held on Saturday, the 11th July, 2015 and recommended to the Executive Council for approval:

01/ "Resolved that the recommendations of the **Faculty of Science** made at its meeting held on 20.05.2015 regarding revision of syllabus of the M. Pharma I and II, be accepted **(vide Appendix-97)**

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02/ "Resolved that the recommendations of the **Faculty of Arts** made at its meeting held on 19.06.2015 regarding revision of the syllabus of M.A. Philosophy from the academic session 2015-2016, be accepted **(vide Appendix-98)**

03/ "Resolved that the recommendations of the **Faculty of Applied Social Sciences and Humanities** made at its meeting held on 24.06.2015 regarding revision of the syllabus of Master of Business Administration (Business Economics) from the academic session 2015-2016 be accepted **(vide Appendix-99)**

Ref. A.C. Res. No. No. 28(d) dated 19.07.2014

04/ "Resolved that the recommendations of the Governing Body of **Cluster Innovation Centre (CIC)** at its meeting held on 2nd July 2015 regarding introduction of PG Diploma in Counseling and Mental Health, its course structure and detailed syllabus be accepted **(vide Appendix-100)**

Ref. A.C. Res. No. No. 37(3) dated 21.01.2015

05/ "Resolved that the recommendations of the Governing Body of the **Cluster Innovation Centre (CIC)** regarding modifications in the following Certificate and Diploma courses in Gifted Education as per UGC guidelines from the academic session 2015-2016 be accepted(vide **Appendix-101**):

(a) GE-I Certificate Course in Education of Gifted Students

(b) GE-II Diploma Course in Education of Gifted Students"

06/ "Resolved that the recommendations of the **Faculty of Education** made at its meeting held on 16.06.2015 regarding syllabi and duration of the following courses of **Department of Education** be accepted with minor modification:

1. 2 year M.Ed. Programme **(vide Appendix-102)**

2. 2 year B.Ed. Programme **(vide Appendix-103)**

3. 2 year B.Ed. Special Education Programme **(vide Appendix-104)**

07/ "Resolved that the recommendations of the Governing Body of **Cluster Innovation Centre (CIC)** made at its meeting held on 2nd July 2015 regarding syllabi for papers of Semester VI (6.1, 6.2, 6.3 and 6.4) in B.A. Hons. Courses of (Humanities and Social Sciences) be accepted **(vide Appendix-105)**:

6.1 Introduction to Digital Humanities

6.2 Innovation Management

6.3 Legal Literacy

6.4 Stream Intensive Paper to be taught by Experts
(1. Journalism; 2. Historical Tourism; 3. Counseling; 4. Art & Design.)"

08/ "Resolved that the recommendations of the Governing Body of **Cluster Innovation Centre(CIC)** made at its meeting held on2nd July, 2015 regarding conformity of Course Structure of B.A. Hons. (Humanities and Social Sciences) with CBCS Guidelines of UGC be accepted **(vide Appendix-106)**

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09/ "Resolved that the recommendations of the Governing Body of **Cluster Innovation Centre(CIC)** made at its meeting held on 2nd July 2015 regarding replacing the syllabus of Paper I.7 (Environment Science & EcoSystem Management) of 2-Credits in the course B.Tech. (IT & Mathematical Innovations) with UGC approved Compulsory Core Course on Environmental studies of 4 Credits be accepted **(vide Appendix-107)**

> Note: The total Credits of First Semester will Change from 32 to 34 and thus the total Credits of the course accordingly will change from 256 to 258.The syllabus of Compulsory Core Course on Environmental studies of 4-Credits."

10/ "Resolved that the recommendations of the **Faculty of Social Sciences** made at its meeting held on 19.06.1015 regarding syllabus of Optional Course in M.A. course in the Department of Political Science to be effective from the academic session 2015-16, be accepted **(vide Appendix -108)**

11/ "Resolved that the recommendations of the Governing Body of the **Cluster Innovation Centre(CIC)** made at its meeting held on 2nd July 2015 regarding proposal for introduction of integrated M.Sc.-Ph.D. programme in Cancer Biology and Infectious Diseases (with special reference to Tuberculosis) be accepted **(vide Appendix-109).**

The Standing Committee on Academic Matters noted that the detailed syllabus of the four foundation courses of the first semester shall be submitted later for approval.

07/ Resolved that the consequential draft amendments in the Ordinances of the University with regard to the following be approved and recommended for consideration of the Executive Council:

Replaced the existing Semester based syllabi/scheme of examination of the following courses with the revised syllabi/scheme of examination under Choice Based Credit System (CBCS):

S. No.	Name of the Course/paper
1.	B.A. (Hons.) Punjabi
2.	Punjabi Paper in B.Com. (Hons.)/B.Sc.(Hons.)/B.A. (Prog) /B.Com. (Prog.)/ B.Sc. (Prog.)
3.	B.A. (Hons.) Psychology
4.	B.A. (Hons.) Applied Psychology
5.	Psychology paper in B.A. (Programme)
6.	B.A. (Hons.) Philosophy
7.	Philosophy paper in B.A. (Programme)
8.	B.A. (Hons.) Persian
9.	Persian paper in B.A. (Programme.)
10.	B.A.(Hons.) Bengali
11.	(Assamese, Bengali, Gujarati, Manipuri, Odia, Sindhi, Tamil, Telugu) papers in B.A.(Programme)
12.	B.A. (Hons.) Sanskrit
13.	Sanskrit paper in B.A. (Programme)
14.	B.A. (Hons.) Arabic
15.	Arabic paper in B.A. (Programme)

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16.	B.A. (Hons.) Hindi
17.	Hindi paper in B.A./B.Com. (Programme)
18.	Linguistics paper in B.A. (Programme)
19.	B.A. (Hons.) Urdu
20.	Urdu Elective paper in other course
21.	B.A. (Hons.) English
22.	English paper in B.A./B.Com. (Programme)
23.	B.A. (Hons.) German
24.	B.A. (Hons.) Italian
25.	B.A. (Hons.) Spanish
26.	B.A. (Hons.) French
27.	B.Sc. (Hons.) Mathematics
28.	Mathematics papers in B.A. (Prog.)
29.	Mathematics paper in B.Sc. (H)/B.A. (H) and other than B.Sc. (H) Mathematics
30.	Skill Enhancement Course paper in B.Sc. (H) Mathematics/ B.Sc. (Prog.)/B.A. (Prog.)
31.	Physical Sciences/Applied Physical Sciences in B.Sc. (Prog.)
32.	Statistics paper in B.A. Programme
33.	Physical Science/Mathematical Sciences in Statistics paper in B.Sc. (Prog.)
34.	B.Sc. (Hons.) Computer Science
35.	Computer Science in B.Sc. Programme
36.	Computer Application in B.A. Programme
37.	Mathematical Sciences in B.Sc. (Prog.)
38.	General Elective for students other than B.Sc. (Hons.)/Computer Science.
39.	Operational Research paper in B.A. Programme
40.	Physical Sciences in B.Sc. (Prog.)
41.	Applied Physical Sciences in B.Sc. (Prog.)
42.	Generic Elective Operational Research papers in B.Sc. (Hons.)/B.A. (Hons.)
43.	Skill Enhancement Course papers in B.Sc. (Programme) Mathematical Sciences/Physical Science/Applied Physical Science/B.A. (Programme)
44.	B.A. (Hons.) Hindustani Music (Vocal/Instrumental)
45.	B.A. (Hons.) Karnatak Music (Vocal /Instrumental)
46.	B.A. (Hons.) Percussion Music (Tabla/Pakhawaj)
47.	Hindustani Music (Vocal/Instrumental) paper in B.A. (Prog.)
48.	Supplementary Courses for B.A. (Prog.) Vocational and Applied Courses in Music
49.	B.A. (Hons.) Political Science
50.	Political Science paper in B.A. (Prog.)
51.	B.A. (Hons.) Geography
52.	Geography paper in B.A. (Prog.)
53.	B.A. (Hons.) Economics
54.	Economics paper in B.A. (Prog.)
55.	B.A. (Hons.) History
56.	History paper in B.A. (Prog.)
57.	B.A. (Hons.) Social Work

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58.	B.A. (Hons.) Sociology
59.	Sociology paper in B.A. (Prog.)
60.	East Asian Studies
61.	Adult Continuing Education & Extension
62.	African Studies
63.	B.Com. (Hons.)
64.	B.Com.
65.	Commerce based course in B.A. (Prog.)
66.	B.A. (Hons.) Journalism
67.	B.A. (Hons.) Multi Media and Mass Communication (BMMMC)
68.	B.A. (Hons.) Hindi Journalism & Mass Communication
69.	Bachelor of Business Administration (Financial Investment Analysis)
70.	B.A. (Hons.) Business Economics
71.	Bachelors in Management Studies
72.	B.Sc. (Hons.) Anthropology
73.	B.Sc. (Hons.) Forensic Science
74.	B.Sc. (Hons.) Bio-Medical Sciences
75.	B.Sc. (Hons.) Biological Science
76.	B.Sc. (Hons.) Botany
77.	B.Sc. (Hons.) Chemistry
78.	B.Sc. (Hons.) Zoology
79.	B.Sc. (Prog.) Life Science (Botany, Chemistry, Zoology)
80.	Electronics in B.Sc. Programme
81.	B.Sc. (Hons.) Geology
82.	B.Sc. (Hons.) Food Technology
83.	B.Sc. (Hons.) Home Science
84.	Home Science in B.Sc. (Prog.)
85.	Home Science in B.A.(Prog.)
86.	B.Sc. (Hons.) Physics
87.	Physics in B.Sc. (Prog.)
88.	B.Sc. (Hons.) Polymer Science
89.	B.Sc. (Hons.) Bio-Chemistry
90.	B.Sc. (Hons.) Microbiology
91.	B.Sc. (Hons.) Electronic Science
92.	B.Sc. (Hons.) Instrumentation
93.	Electronics in B.Sc. (Prog.)
94.	B.A. in Buddhist Studies discipline course
95.	B.Sc. Physical Education, Health Education & Sports Science (PEHES)
96.	Physical & Health Education in B.A. (Prog.)
97.	B.A. (Vocational Studies) Human Resource Management
98.	B.A. (Vocational Studies) Marketing Management and Retail Business
99.	B.A. (Vocational Studies) Tourism Management
100.	B.A. (Vocational Studies) Management and Marketing of Insurance
101.	B.A. (Vocational Studies) Office Management and Secretarial Practice
102.	B.A. (Vocational Studies) Small and Medium Enterprises

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103.	B.A. (Vocational Studies) Materials Management
104.	B.A. Hons. (Humanities and Social Sciences)

Transitory provision: Students admitted to various semester based under-graduate courses prior to the academic session 2015-2016 shall continue to be governed by the relevant Ordinances of the University that existed at the time of their admission.

(Twenty two members dissented)

08/ Ref: A.C. Res. No. 24 Dated19.07.2014

Resolved that the recommendations of the Committee constituted by the Vice Chancellor on 08.10.2014 to examine the syllabi and courses of study pertaining to the Basic Sciences/Allied Engineering papers in following B.Tech. Courses (erstwhile Four Year Under-graduate Programme) be accepted and recommended to the Executive Council for approval:

1. B.Tech. Computer Science   **(vide Appendix-110)**
2. B.Tech. Electronics   **(vide Appendix-111)**
3. B.Tech. Instrumentation   **(vide Appendix-112)**
4. B.Tech. Polymer Science   **(vide Appendix-113)**
5. B.Tech. Food Technology   **(vide Appendix-114)**

09/ Resolved that the recommendations of the **Faculty of Social Sciences** made at its meeting held on 05.05.2015 regarding introduction of a New Optional Course Titled "Geography in India" for Semester IV in M.A. (Geography) from the academic session 2015-2016 be accepted and recommended to the Executive Council for approval**(vide Appendix-115)**.

10/ Resolved that the recommendations of the **Faculty of Social Sciences** made at its meeting held on 05.05.2015 regarding change of promotion criteria for full time one year Post-Graduate Intensive Diploma in Chinese, Japanese and Korean with effect from the academic session 2015-2016 be accepted and recommended to the Executive Council for approval.

One-Year Post Graduate Intensive Diploma Course in Chinese Language (Full-time)
(Course Code: CF-1)

Existing	Amended
Pass percentage: Minimum marks for passing the examination in each semester shall be 50% in each paper (in written as well as internal assessment separately) and 50% in aggregate.	Pass percentage: Minimum marks for passing the examination in each semester shall be 50% in each paper (in written/oral examination and Internal Assessment put together).

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One-Year Post Graduate Intensive Advanced Diploma Course in Chinese Language (Full-time)

(Course Code: CF-2)

Existing	Amended
Pass percentage: Minimum marks for passing the examination in each semester shall be 50% in each paper (in written as well as internal assessment separately) and 50% in aggregate.	Pass percentage: Minimum marks for passing the examination in each semester shall be 50% in each paper (in written/oral examination and Internal Assessment put together).

One-Year Post Graduate Intensive Diploma Course in Japanese Language (Full-time)

(Course Code: JF-1)

Existing	Amended
Pass percentage: Minimum marks for passing the examination in each semester shall be 50% in each paper (in written as well as internal assessment separately) and 50% in aggregate.	Pass percentage: Minimum marks for passing the examination in each semester shall be 50% in each paper (in written/oral examination and Internal Assessment put together).

One-Year Post Graduate Intensive Advanced Diploma Course in Japanese Language (Full-time)

(Course Code: JF-2)

Existing	Amended
Pass percentage: Minimum marks for passing the examination in each semester shall be 50% in each paper (in written as well as internal assessment separately) and 50% in aggregate.	Pass percentage: Minimum marks for passing the examination in each semester shall be 50% in each paper (in written/oral examination and Internal Assessment put together).

One-Year Post Graduate Intensive Diploma Course in Korean Language (Full-time)

(Course Code: KF-1

Existing	Amended
Pass percentage: Minimum marks for passing the examination in each semester shall be 50% in each paper (in written as well as internal assessment separately) and 50% in aggregate.	Pass percentage: Minimum marks for passing the examination in each semester shall be 50% in each paper (in written/oral examination and Internal Assessment put together).

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One-Year Post Graduate Intensive Advanced Diploma Course in Korean Language

(Full-time)(Course Code: KF-2

Existing	Amended
Pass percentage:	Pass percentage:
Minimum marks for passing the examination in each semester shall be 50% in each paper (in written as well as internal assessment separately) and 50% in aggregate.	Minimum marks for passing the examination in each semester shall be 50% in each paper (in written/oral examination and Internal Assessment put together).

11/ Resolved that the recommendations of the **Faculty of Social Sciences** made at its meeting held on 19.06.2015 regarding following courses be accepted and recommended to the Executive Council for approval:

1. Restructure of the Ph.D. Programme in East Asian Studies (Course Code: PEA) with effect from the academic session 2015-2016.(**vide Appendix-116**)

2. To start the part time courses in the Chinese and Japanese in the St. Stephen's College w.e.f. the academic session 2015-2016.

12/ Resolved that the recommendations of the **Faculty of Social Sciences** made at its meeting held on 19.06.2015 regarding minor changes in the following papers in the Department of Sociology be accepted and recommended to the Executive Council for approval (**vide Appendix-117**):

1. Course 215: Sociology of Education

2. Course 217: Population and Society

3. Course 221: Agrarian Sociology

13/ **Ref.: Academic Council Res. No.138 made at its meeting held on 31.1.1991**

Resolved that the recommendations of the Standing Committee (New Courses) made at its meeting held on 25th May, 2015 regarding assigning of new courses to the Colleges/Institutions in the University be accepted.(**vide Appendix-118**).

14/ **Ref. A.C. Resolution No. 37 (2) made at its meeting held on 21.01.2015.**

Resolved that the recommendations of the **Faculty of Music & Fine Arts** made at its meeting held on 15th May, 2015 regarding adding the following 'Note' in page No.1 (after "OBJECTIVES") of the appendix to Resolution No. 37 (2), A.C. made at its meeting held on 21.01.2015, of the Two Year Diploma course in Harmonium be accepted and recommended to the Executive Council for approval.

Note: "Two year Diploma Course in Harmonium is not equivalent to two year Diploma in Sangeet Shiromani Course and will not be the eligibility criteria for registration to any higher course of concerned subject"

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15/ Resolved that the recommendation of the **Faculty of Medical Sciences** made at its meeting held on 17th November, 2014 regarding change of name of **Govind Ballabh Pant Hospital** to "**Govind Ballabh Pant Institute of Post Graduate Medical Education and Research**" be accepted and recommended to the Executive Council for approval.

16/ Resolved that the recommendation of the **Faculty of Medical Sciences** made at its meeting held on 17th November 2014 regarding change of composition of Committee of Courses & Studies of various Departments of Faculty of Medical Sciences be accepted and recommended to the Executive Council for approval:

EXISTING

(i) The Head of the Department of the University shall be the Chairman

(ii) The College Head of the department concerned shall be one of the members (namely MAMC/LHMC/UCMS/VPCI)

(iii) One Professor from each institution by rotation (the rotation shall be seniority wise).

(iv) One Reader/Associate Professor from each institution by rotation (the rotation shall be seniority wise).

AMENDED

(i) The Head of the Department of the University shall be the Chairman

(ii) The College Head of the department concerned (namely MAMC/LHMC/ UCMS/VPCI)

(iii) The senior-most teacher/next senior to Head of the Department from each college.

(iv) One Professor by rotation from each college

(v) One Associate Professor by rotation from each college.

Note:
   a) The term of the membership of serial no. (iv) & (v) above shall be of two years.

   b) Quorum – Quorum of the CCS meeting shall be 1/3rd of the members.

   c) The notice of the meeting be issued at least three days before the commencement of the meeting except emergent meeting."

17/ Resolved that the recommendation of the Faculty of Medical Sciences made at its meeting held on 17th November 2014 regarding change of composition of Committee of Courses & Studies (Super-Speciality Courses) of various Departments of Faculty of Medical Sciences be accepted and recommended to the Executive Council for approval.

EXISTING

(DM Courses)

(i) The Head of the Department of the University in Medicine shall be the Chairman of the Committee

(ii)   The College Head in each of the Department shall be the one of the member (LHMC, MAMC, UCMS/VPCI)

(iii)   One Professor by rotation from each Department (the rotation shall be on the basis of seniority)

(iv)   One Reader/Associate Professor by rotation from each Department (the rotation shall be on the basis of seniority)

AMENDED

(DM Courses)

i)   The Head of the Department of the University in Medicine shall be the Chairman of the Committee
(ii)   The College/Institute Head in each of the Department shall be the one of the member.
(iii)   The senior-most teacher/next senior to Head of the Department from each college/Institution
(iv)   One Professor by rotation from each college
(v)   One Associate Professor by rotation from each college

EXISTING

(M.Ch. Courses)

(i)   The Head of the Department of the University in Surgery shall be the Chairman of the Committee
(ii)   The College Head in each of the Department shall be the one of the member (LHMC, MAMC, UCMS/VPCI)
(iii)   One Professor by rotation from each Department (the rotation shall be on the basis of seniority)
(iv)   One Reader/Associate Professor by rotation from each Department (the rotation shall be on the basis of seniority)

AMENDED

(M.Ch. Courses)

(i)   The Head of the Department of the University in Surgery shall be the Chairman of the Committee.

(ii)   The College/Institute Head in each of the Department shall be the one of the member.

(iii)   The senior-most teacher of the Department from each college/Institution.

(iv)   One Professor by rotation from each college.

(v)   One Associate Professor by rotation from each college.

Note:

a)   The term of the membership of serial No.(iv) & (v) of DM/M.Ch. Courses shall be for two years.

b)   Quorum – Quorum of the CCS meeting shall be $1/3^{rd}$ of the members.

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c) The notice of the meeting be issued at least three days before the commencement of the meeting except emergent meeting."(vide **Appendix-119**):

18/   Ref: E.C. Res. No. 7(9) made at its meeting held on 19.07.2014

Resolved that the following change in nomenclature of the degree of B.A. Multimedia and Mass Communication be accepted and recommended to the Executive Council for approval:

Existing Nomenclature of degree	Amended Nomenclature of degree
B.A. Multimedia and Mass Communication	B.A. (Hons) Multi Media and Mass Communication

19/   Resolved that the following amendment/s to Ordinance VI-B – Doctorate of Philosophy (Ph.D.) of the Ordinances of the University in accordance with the UGC Regulation 2009 (Minimum Standards and Procedure for Award of Ph.D. Degree) and UGC Regulation 2010 be accepted and recommended to the Executive Council for approval.

Ordinance VI-B

Doctor of Philosophy (Ph.D.)

1. Research programmes for award of Ph.D. degree may be conducted by Department of any Faculty/Centre/Institution of the University.

2. Subject to general guidance of the Academic Council, the research studies in the University leading to the degree of Doctor of Philosophy shall be organized by the Board of Research Studies (BRS) of the respective faculty.

3. The BRS shall be advised by the Research Council.

4. All academic matters related to the degree shall be supervised by the Departmental Research Committee (DRC).

5. The University of Delhi shall not conduct the Ph.D. programme through distance education mode.

A. COMPOSITION OF THE RESEARCH COUNCIL, BOARD OF RESEARCH STUDIES AND DEPARTMENTAL RESEARCH COMMITTEE

1. RESEARCH COUNCIL- The Research Council shall ensure uniform implementation of the Ordinance and advise on all matters related to research. The composition of the Research Council shall include a Chairperson and Deans of Research from all subject areas like Life Sciences, Physical & Mathematical Sciences and Humanities & Social Sciences.

2. BOARD OF RESEARCH STUDIES- Each Faculty and the Cluster Innovation Centre shall have a Board of Research Studies. The registration of students by each Department of the Faculty shall require ratification by the respective BRS. The records of registration and the progress of research work done by the Ph.D. students shall be maintained by the BRS.

   All members of the BRS must be qualified to be Supervisors. The composition of BRS in a Faculty having more than one Department shall be as follows:

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a) Dean of the Faculty/Director /Chairperson (Ex-officio)
b) Heads of all Departments under the Faculty (Ex-officio)
c) One Professor from each Department
d) One Associate Professor from each Department
e) One Assistant Professor from each Department
f) One Associate Professor from each subject amongst teachers from colleges, if applicable.
g) One Professor (a nominee of the Vice Chancellor)

The selection under category(c),(d), (e) and (f) above shall be by rotation as per seniority.

The composition of the BRS for a single Department based faculty shall be as follows:

a) The Dean of the Faculty/Director /Chairman (Ex-officio)
b) Two Professors nominated by the Vice-Chancellor from an allied Department
c) Three Professors
d) Two Associate Professors
e) Two Assistant Professors
f) One Associate Professor amongst teachers from colleges, if applicable

The selection under category c), d), e) and f) above shall be by rotation as per seniority.

The composition of BRS for the Faculty of Medical Sciences shall be as follows:

a) Dean of the Faculty (Chairperson)
b) All University appointed Heads of the Department under Faculty of Medical Sciences.
c) All Heads of the Institutions/Colleges affiliated to the University for Ph.D.. programme.
d) One senior most Associate Professor nominated from each of the teaching Institutions (LHMC, MAMC, UCMS, VPCI & IHBAS).
e) One Professor (a nominee of the Vice Chancellor)

The composition of the Board of Research Studies at the Cluster Innovation Centre will be as follows:

a) The Director of the Centre- Chairperson (Ex-officio)
b) The Coordinators of each programme (Ex-officio)
c) Two Professors to be nominated by the Vice-Chancellor from an allied Department
d) Three Professors
e) Two Associate Professors
f) Two Assistant Professors qualified to be Supervisor(s)

The selection under category (d), (e) and (f) above shall be rotation as per seniority.

Five members of the Board shall form the quorum.

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3. DEPARTMENTAL RESEARCH COMMITTEE- Each Department and the Cluster Innovation Centre shall have a Departmental Research Committee (DRC). All members of the DRC must be qualified to be Supervisors. The DRC shall comprise the following:

a) Head of the Department/Director /Chairperson (Ex-officio)
b) One Professor (a nominee of the Vice- Chancellor)
c) Professors in the Department (maximum of four)
d) Two Associate Professors
e) Two Assistant Professors
f) One Associate Professor and One Assistant Professor from the colleges except for those Departments that do not have an under-graduate programme in the respective discipline.

The members in category (c), (d), (e) and (f) above shall be chosen by rotation as per seniority.

The composition of DRC for the Faculty of Medical Sciences shall be as follows:

a) Head of the Department (Chairperson)
b) One Professor (a nominee of the Vice-Chancellor)
c) Two Professors from the Department
d) Three/Four Associate Professors

The selection under category c) and d) shall be by rotation as per seniority.

The Departmental Research Committee at the Cluster Innovation Centre will comprise of the following:

a) The Director – Chairman (Ex-officio)
b) One Professor (a nominee of the Vice- Chancellor]
c) Professors at Centre subject to a maximum of four
d) Two Associate Professors at the Centre
e) Two Assistant Professors at the Centre qualified to be Supervisor(s)

The selection under category (c), (d) and (e) shall be by rotation as per seniority.

Provided that in the case of the Centre having strength of less than ten teachers, all teachers qualified to be Supervisor(s), shall be members of the Departmental Research Committee. Five members of the DRC or 50% of the total strength of the Committee shall form the quorum in the case of Cluster Innovation Centre.

The term of membership of all members of BRS and DRC, other than ex-officio members will be for a period of two years. Unless otherwise provided, one-third of the members of the BRS and DRC shall form the quorum.

The meetings of the DRC and the BRS shall be held at least once every three months. It may be held earlier, depending on urgency of individual cases.

B. ELIGIBILITY CRITERIA FOR Ph.D. SUPERVISOR

1. Each faculty member from the University or College may be appointed as a Supervisor provided that he/she has a Ph.D. degree, evidence of research publications in peer

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reviewed journals after obtaining Ph.D. degree. The faculty member should have three years of teaching/research experience after the award of the Ph.D. degree, and demonstrated outstanding ability for research in the subject area.

2. The maximum strength of students allocated to a Supervisor shall be according to the designation of the Supervisor (Professor-8, Associate Professor-6 and Assistant Professor-4 students), excluding supernumerary allotment. In case of joint supervision, the number of students enrolled will be counted as one for each of the Joint Supervisors.

3. In a Department where teachers are retiring, leaving or are proceeding on long leave, on deputation or where unforeseen circumstances has necessitated redistribution/reallocation, the DRC shall appoint Supervisor(s)/Joint Supervisor(s) as supernumerary allotment. This shall be reported to the BRS.

4. In cases where the Supervisor has three or lesser number of years before retirement, a Joint Supervisor shall be mandatory. No one, either from University of Delhi or any other institution, shall be allowed to become Joint Supervisor after retirement. Those appointed as Joint Supervisors before retirement can continue to guide the particular student even after retirement.

5. Teachers on deputation/long leave of more than a year may not be included in the list of proposed Supervisors in a Department and in determining the maximum enrolment strength.

6. Allocation of the Supervisor for a selected student shall be decided by the DRC depending on the maximum permissible number of students per faculty member in mutual discussion with the Supervisor, the available specialization among the faculty supervisors, and the research interest of the student.

7. The DRC, on the recommendation of the Supervisor, may appoint scholars of eminence who may be residing in India or abroad, as Joint Supervisor(s).

8. Senior scientists of DRDO and other similar government funded research organizations of national importance with which University of Delhi has signed specific MoU for collaboration in research and development activities (Scientist 'E' and above), who have been recognized as adjunct faculty in various departments of University of Delhi may register limited number of students (Two for scientist 'E' and four for scientist 'F' and above) for Ph.D. supervision from University of Delhi, provided their names are duly forwarded by the Director of their parent institutions. Recognition of the scientists as Supervisors would be granted by the concerned DRC, University of Delhi, after due evaluation on a case-to-case basis, taking publications in International Journals of repute and/or International/National patents as one of the main criteria.

9. The DRC shall report the appointment of the Supervisor(s) to the Board of Research Studies.

10. Each Supervisor is entitled to take a fresh student after submission of the thesis of his/her previously allotted student based on maximum permissible number for that faculty member.

11. In case of college teachers, the BRS may send a team to the college to inspect the facilities for research in the college department and satisfy itself before granting permission to take Ph.D. students. The college teacher must have a major research project of at least three years' duration and the prospective student must have a fellowship/scholarship for financial support for at least three years' duration. The DRC may decide on additional criteria for recognizing Supervisors in colleges.

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Category III

Candidates who have obtained M.Phil.degree or post-graduate degree in professional courses approved by the relevant statutory body such as LL.M.,M.Tech. etc. with a minimum of 60% marks/equivalent grades or candidates having a Masters degree with at least two-year research experience in a reputed institution may appear for interview directly, if the candidate has national level fellowship. For obtaining Non-NET fellowships, such candidates have to appear in entrance examination.

Category IV

Candidates holding fellowships/research positions in research projects(subject to selection by duly constituted committee as per the University norms for research projects) may appear directly for interview.

Category V

Scientists/professionals working at defense and space institutions/organizations/R&D institutes of the Government of India/State Government and with whom the University has signed a Memorandum of Understanding may directly appear for interview.

Category VI

Faculty members who are in service in the University of Delhi and who have a minimum of two years' teaching/research experience may directly appear for interview.

1. The syllabus for the entrance test shall be available on the website of the University / Department.

2. The entrance tests in various Departments within the Faculty shall be staggered to allow the candidates to appear in more than one written test if they so desire.

3. The entrance test shall be conducted once in a year and the eligibility of shortlisted candidates shall remain valid till the next entrance test is held or for one year, whichever is earlier. The interviews may be held twice in a year (in July and December), or more times in a year subject to availability of seats as determined by the DRC.

4. At the time of interview, if required, experts from allied/specialized areas may be invited.

5. The candidates shall present and discuss their research interest/area at the time of interview.

6. The merit list of the recommended candidates shall be displayed on the website after approval by the DRC. There will be a waiting list in the order of merit.

7. The DRC reserves the right not to select students for all the vacancies advertised.

8. The Department/DRC shall ensure that all University rules are followed in the admission process.

9. The registration of students in the Ph.D. programme may be confirmed by the BRS based on the recommendation of the DRC.

10. No student registered for the Ph.D. programme shall be permitted to undertake any full-time course during the pendency of the programme.

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D. RESIDENCY

1. Every student shall pursue coursework and full-time research for not less than two calendar years from the date of registration. Employed students must obtain study leave for a period of two years to fulfill the residency requirement of the University. The clause shall be relaxable for faculty members of the University of Delhi provided their work in the department or college is related to their proposed research work during Ph.D. as recommended by the respective DRC and BRS.

2. In order to advance research in strategic areas of national concern, scientists/professionals working at defence and space institutions/organizations of the Government of India/State Government and with whom the University has signed a Memorandum of Understanding, shall be allowed to pursue Ph.D. while working in their organizations provided that the DRC recommends that their work in the parent organization is relevant to research in the concerned field. They may be exempted from residency and coursework requirements decided on a case-to-case basis by the DRC and approved by the BRS.

E. COURSE WORK

1. Each student shall undertake course work for a minimum of one semester consisting of courses decided by his/her Supervisor. All doctoral students are required to do at least one compulsory course on Research Methodology based on literature survey, instrumentation, computer applications, data search, presentation skills, writing skills etc. The coursework shall be approved by the DRC and the BRS. Every Department shall notify the list and content of courses for Ph.D. programme on the University website. The nomenclature/content of these courses may be specifically designed for the doctoral programme and shall not be the same as the Masters/M.Phil. Courses.

2. The course work shall be transferable between the departments of the University and inter-university subject to their acceptance by the DRC.

3. The DRC shall satisfy itself that each student has completed the requirement of course work. The BRS shall provide a certificate of completion of course work to each student. If the result is unsatisfactory, the student may be allowed to reappear only once, within one year. If the result is still found unsatisfactory, the DRC may recommend cancellation of his/her registration and this may be reported to the Board of Research Studies.

4. After admission to Ph.D., the student in consultation with the Supervisor may propose a tentative title for Ph.D. thesis within one year. However, the final title for the Ph.D. thesis may be decided at the time of the pre-Ph.D. presentation.

F. FINANCIAL ASSISTANCE TO STUDENTS

1. Students who have cleared National Level examinations with JRF or equivalent shall get financial assistance from the concerned funding agency.

2. Students who are working in projects as Project Fellow, Research Associate etc. shall get financial assistance from the designated projects.

3. Students, who do not have any financial assistance, may be awarded Non-NET UGC fellowships. The University, depending on the grant available from UGC, will determine the number of fellowships under this category annually.

4. Financial assistance shall not be provided where the student is availing paid study leave.

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5. Foreign students must show proof of financial support for the duration of the Ph.D. enrolment.

G. LEAVE/ABSENCE

1. Any leave or absence from research work would require prior intimation and approval of the DRC and the BRS. This period shall be counted in the total span period for submission of thesis.

2. The student may be permitted by the Board of Research Studies, on the recommendation of the Supervisor and the DRC, to be away from the University of Delhi to pursue research related to Ph.D. work for not more than two semesters.

3. The Supervisor must report absence from research work by students due to illness, maternity leave or other circumstances to the DRC and BRS. Negligence of research work or any other acts of indiscipline must be recorded and reported to the DRC and the concerned BRS. On receipt of a complaint the Board of Research Studies may take appropriate action against the student, including cancellation of his/her registration.

4. Female students may be allowed maternity leave as per GOI rules during the registration period on the recommendation of the DRC and approved by the BRS. This period shall not be counted in the total span period required for submission of thesis.

5. Only in exceptional cases, a Ph.D. student may be allowed to de-register after successful completion of the course work on the recommendation of both the DRC and BRS and the consent of the Vice Chancellor. The student shall re-register within a period of three years. The Ph.D. thesis should be submitted within such a period that the span of initial registration and re-registration does not exceed the total span period for Ph.D.

H. EVALUATION AND ASSESSMENT

1. Progress report of the student must be submitted to the DRC and the BRS on an annual basis.

2. Prior to submission of the thesis, the student shall make a pre-Ph.D. presentation in the Department, open to all faculty members and research students, for getting feedback and comments, which may be suitably incorporated in the draft thesis.

3. In case of issues related to Intellectual Property Rights, necessary patents shall be filed before disclosure in seminar. The Supervisor and the student shall provide an undertaking, that they will maintain the confidentiality of the research till patents are filed.

4. Students shall be eligible to submit their thesis after two years but within five years of registration. A six-month extension for submission can be granted by the BRS on a written request by the student and recommendation of the Supervisor and DRC. Any extension beyond this shall require a written justification for the delay by the student and the Supervisor. The justification provided by the student and the Supervisor, along with the recommendation of the DRC shall be forwarded to the BRS and the Research Council for recommending the extension as a special case to the Vice-Chancellor for approval. The total span period from initial registration shall be six and a half years.

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Only in exceptional cases, with specific recommendations and justification from the Supervisor, DRC and BRS, the Vice Chancellor may recommend the extension beyond the total span period specified.

5. A Ph.D. student shall publish at least one research paper in a refereed journal before submission of the thesis and produce evidence for the same in the form of an acceptance letter or a reprint.

6. The thesis must be a piece of original research work characterized either by the discovery of new facts, or by a fresh interpretation of facts or theories. In either case, it should show the student's capacity for critical examination and judgment. It must be satisfactory as far as its language and presentation are concerned.

7. The student may incorporate in the thesis the contents of any work published on the subject during the course of his/her Ph.D. and shall indicate the same in the thesis. However, the student shall not submit as his/her thesis any work for which a degree has been conferred on him/her by this or any other University.

8. The Supervisor of the student shall, eight weeks in advance of the submission of thesis, forward seven copies of abstract of the thesis including table of contents to the Head of the Department for consideration by the Departmental Research Committee. The Head of the Department shall convene a meeting of the DRC within one month of submission of the abstract with Supervisor of the thesis as an invitee to recommend a panel of a minimum of 6 external examiners who shall be eminent scholars and specialists in the area of the thesis. The concerned BRS shall review the recommendations of the DRC and forward them to the Examination Branch within one month of the submission of the thesis. The Vice-Chancellor shall appoint three examiners out of the panel so approved for evaluation of each thesis. At least one of the experts shall be from outside the State. It shall be up to the DRC to have at least one examiner from outside the country.

9. Each thesis will go through a Plagiarism Check before submission that will be verified by the University library. The certificate of verification given by the library has to be submitted along with the thesis at the time of thesis submission in the examination branch. The student shall attach a Certificate of Originality to the thesis certifying that the work is free of any kind of plagiarism and he/she shall be solely responsible for any dispute or plagiarism issue arising out of the doctoral work. The Supervisor shall certify that the thesis is worthy of submission and for the award of Ph.D. degree. The work for the thesis has been carried out at that place and has not been submitted elsewhere for another degree. The Head of the Department shall countersign the application for submission of the thesis. In case of resubmission, the same procedure may be followed. The student shall also attach a Student Approval Form in the format provided by the UGC for grant of non-exclusive worldwide license for hosting and distributing their thesis in digital format in 'Shodhganga' or any other server designated for this purpose by UGC.

10. The student shall submit four double-sided printed and typed softbound copies of the thesis to the Examination Branch of the University. The soft copy of the thesis must be submitted in specified media (CD/DVD) in specified formats (Open Office/MS office Document Format, Tex, LaTex or other standard Format) that are convertible to pdf file.

11. The examiners may (i) recommend that the degree be awarded; (ii) recommend degree to be awarded subject to corrections to be made in consultation with the Supervisor before viva; (iii) ask for resubmission of the thesis or (iv) reject the thesis.

12. In the event that all the three examiners unanimously recommend the award of degree, the degree will be awarded subject to successful completion of *viva-voce*.

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13. If the examiner(s) recommends minor corrections, the corrections may be incorporated before the viva-voce examination in consultation with the Supervisor. Once the corrections have been made, the Supervisor shall certify the same. This may be stated in the reports of the Ph.D. thesis to be sent to the Vice Chancellor for appointment of examiners for examination.

14. If the corrections are major and resubmission has been recommended, the student may resubmit the revised version in consultation with the Supervisor.

15. If two or more examiners reject the thesis, the thesis shall be rejected and registration of the students shall be closed.

16. If two of the three examiners recommend the award of   degree and the third examiner recommends rejection, the thesis shall be referred to a fourth examiner to be selected by the Vice-Chancellor from the original panel of examiners.

17. The recommendation of the fourth examiner shall be final. Such a thesis, if rejected by the Fourth Examiner, shall not be resubmitted or marked to any further examiner and the registration of the student shall be closed.

18. The student shall undergo a *viva-voce* Examination after receiving a satisfactory evaluation report that shall be openly defended.

19. The Exam Branch may send all communications to the examiners viz. request for consent, sending of Ph.D. thesis for evaluation and receiving report electronically through e-mail also.

20. The open *viva voce* and the defense by the student may also be done through Skype/Video conferencing, if required.

21. Three CDs of the Ph.D. thesis must be submitted to the Exam branch with a copy of the result notification within thirty days of the notification, one of which has to be forwarded to the library. The Examination branch will check whether the CD of the Ph.D. thesis is operational and issue an accession code to each CD. In order to ensure that the soft copy is complete and exact replica of the print version accepted for award of Ph.D., the Department Supervisor/HOD must authenticate the CDs submitted by the student.

22. Following successful completion of the evaluation process and the announcement of the award of the Ph.D., the University shall submit a soft copy of the Ph.D. thesis to the UGC within a period of thirty days, for hosting the same in INFLIBNET (or upload the same in INFLIBNET through the ETD lab of the University), accessible to all institutions/Universities.

23. The University shall issue a Provisional Certificate along with the Degree certifying to the effect that the Degree has been awarded in accordance with the provisions of UGC regulations.

   Provided that the Ph.D. programmes in the Faculty of Medical Sciences, shall be governed by the relevant Regulations of the Medical Council of India, as amended from time to time. Provided, however, the matters or processes on which the Medical Council of India regulations are silent, the relevant provisions of the Ordinance VI-B shall apply.

20/   Ref: E.C. Res. No. 04 (12) dated 28.05.2015

Resolved that the recommendations of the Governing Body of Zakir Husain Post Graduate Evening College regarding change of name of "**Zakir Husain Post Graduate**

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Evening College" to **"Zakir Husain Delhi College (Evening)"** be accepted and recommended to the Executive Council for approval.

21/   Resolved that the recommendations of the **Faculty of Music** made at its meeting held on 15.05.2015 regarding revision of following syllabi be accepted and recommended to the Executive Council for approval: .

    1. M.A. Hindustani Music (Vocal/Instrument) **(vide Appendix-120)**

    2. M.A. Karnatak Music **(vide Appendix-121)**

22/   Resolved that the recommendations of the **Faculty of Music** made at its meeting held on 15.05.2015 regarding introduction of new course in M.A. Percussion Music (Tabla/Pakhawaj) from the academic session 2015-16 be accepted and recommended to the Executive Council for approval**(vide Appendix-122).**

23/   Resolved that the recommendations of the **Faculty of Mathematical Sciences** made at its meeting held on 16.06.2015 regarding revision of syllabus for M.A./M.Sc. Mathematics (new course introduced Math-401 (D) – Advanced Group Theory) from the academic session 2014-2016 be accepted and recommended to the Executive Council for approval. **(vide Appendix-123)**

24/   Resolved that the recommendations of the **Faculty of Science** made at its meeting held on 20.05.2015 regarding following modification in the course content of 5th and 6th Semesters of B.Sc. (Hons.) Physics from the Academic Session 2015-2016 (Erstwhile FYUP) be accepted and recommended to the Executive Council for approval:

5th Semester		6th Semester	
Theory	**Practicals**	**Theory**	**Practicals**
Quantum Mechanics and Applications-I	Lab- VC	Solids State Physics	Lab- VIB
Electromagnetic Theory	Lab- VIA	Quantum Mechanics and Applications-II	Lab- VIC
Physics of Devices and Instruments	Lab- VIIIA	Mathematical Physics-IV	Lab-VIIA
Computer Programming & Numerical Analysis/Numerical Analysis*	Computer Programming & Numerical Analysis Lab/Numerical	Statistical Mechanics	Lab-VIIIB

  * Option available for only those students who have studied 01 Chemistry paper in 3rd or 4th semester.

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Note: Two new papers namely "Computer Programming & Numerical Analysis" and "Computer Programming & Numerical Analysis Lab" are introduced in place of "Classical Dynamics" and Lab-VIIB" respectively. Further, one mathematics paper namely "Numerical Analysis" with Lab may be given as option against these two new papers (in 5th Semester) for only those students who have studied one chemistry paper (from DC-II category) during either 3rd semester or 4th semester. This is decided in view of the extraordinary situation where several students have given the representation for not getting the option to have at least two mathematics papers during the entire programme. (**Appendix-124**)

Lab-VIIA comprises of only programming related to Mathematical Physics problems (at least 8 different problems of similar nature) on the computers using "C or C++ language" or "Scilab language" and no practical experiments to be carried out.

The guidelines related to the practical's in all the three laboratories (Labs-VIB, VIC and VIIIB) of 6th semester may be made and given to the Colleges before the start of 6th semester.

25/   Resolved that the recommendations of the **Faculty of Applied Social Sciences & Humanities** made at its meeting held on 24.06.2015 regarding revision of syllabi of the following courses from the academic session 2015-2016 be accepted and recommended to the Executive Council for approval (**vide Appendix-125**):

1. One Year Full-Time Intensive Advanced Diploma in Russian
2. Part time Certificate Course in Bulgarian, Croatian, Czech, Hungarian & Polish
3. Part time Diploma Course in Bulgarian, Croatian, Czech, Hungarian & Polish
4. Part time Advanced Diploma Course in Bulgarian, Croatian, Czech, Hungarian & Polish

26/   Resolved that the recommendation of the **Faculty of Inter-Disciplinary and Applied Sciences (FIAS)** made at its meeting held on 11.06.2015 regarding minor change/reorganization of the courses in M.Sc. (Bio-chemistry) of Department of Bio-chemistry from the academic session 2015-2016 be accepted and recommended to the Executive Council for approval. (**vide Appendix-126**)

27/   Resolved that the recommendation of the **Faculty of Inter-Disciplinary and Applied Sciences (FIAS)** made at its meeting held on 11.06.2015 regarding minor change in the syllabus of M.Sc. (Genetics) of Department of Genetics from the academic session 2015-2016 be accepted and recommended to the Executive Council for approval. (**vide Appendix-127**)

28/   Resolved that the recommendation of the **Faculty of Inter-Disciplinary and Applied Sciences (FIAS)** made at its meeting held on 11.06.2015 regarding modification in eligibility criteria for admission in M.Sc. (Genetics) from the academic session 2016-2017 be accepted and recommended to the Executive Council for approval.

Modified Eligibility Criteria for admission to M.Sc. (Genetics) of Department of Genetics

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1. The admission shall be solely through a written test from the academic session 2016-2017 onwards.

2. No interview of the selected candidates shall be conducted as in the past.

29/ Resolved that the recommendation of the **Faculty of Inter-Disciplinary and Applied Sciences (FIAS)** made at its meeting held on 11.06.2015 regarding course contents prepared by the National Council of Teacher Education's (NCTE) for Two year B.P.Ed. course (which was earlier run as one year B.P.Ed. course at IGIPESS) be accepted and recommended to Executive Council for approval.(**vide Appendix-128**)

30/ **E.C. Res. No. 21 made at its meeting held on 28.05.2015**

Resolved that the recommendations of the Governing Body of **Cluster Innovation Centre (CIC)** made at its meeting held on 2ⁿᵈ July, 2015 regarding merger of IIC, University of Delhi South Campus and CSEC with CIC on the basis of report of the Committee constituted by Governing Body be accepted and recommended to the Executive Council for approval:

(i) **Draft amendment/s to Ordinance XX(K) regarding merger of IIC, and CSEC with CIC**

Existing	Proposed Amendments
There shall be a Cluster Innovation Centre (CIC) in the University of Delhi with the following objectives to: 1. Foster an environment of innovation. 2. Create degree and short term programmes that reflect and use innovation. 3. Educate and sensitize students and teachers by launching projects related to innovation in the real world for under-graduate students and college teachers. 4. Enhance potential of faculty and students by conducting training/orientation programmes/modules on innovation and research. 5. Incubate ideas that are highly innovative and relate to society in a practical way. 6. Facilitate collaborations and partnerships with industry, academia and other segments of society. 7. Encourage a culture of entrepreneurship for the University as an entity.	There shall be a Cluster Innovation Centre (CIC) in the University of Delhi comprising of the erstwhile CIC, IIC and CSEC as its Units with the following objectives: 1. to 7. – No Change. 8. Generation of ideas and materials for the improvement of science education and promotion of wider interest in science and scientific issues. 9. Serve as an inter-disciplinary centre for humanities, social sciences pure and applied sciences.

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Advisory Body	**Advisory Body**
The Advisory Body will be nominated by the Vice-Chancellor for a period of 3 years. In addition to the above, the Advisory Body will have the Vice-Chancellor, the Pro-Vice-Chancellor, the Dean of Colleges, the Director, University of Delhi South Campus, Treasurer, and the Director, Cluster Innovation Centre as ex-officio members. There will be five more members from within the University system to be nominated by the Vice-Chancellor.	The Advisory Body will be nominated by the Vice-Chancellor for a period of 3 years. In addition to the above, the Advisory Body will have the Vice-Chancellor, the Pro-Vice- Chancellor, the Dean of Colleges, the Director, University of Delhi South Campus, Treasurer, the Director, Cluster Innovation Centre and Programme Coordinators of each of the constituent Units as ex-officio members. There will be five more members from within the University system to be nominated by the Vice-Chancellor.
The function of the Advisory Body will be to give suggestions for the meaningful accomplishment of the objectives of the Centre and to engage with the progress of the ongoing programmes from time to time. The advisory body shall be chaired by the Vice Chancellor.	The function of the Advisory Body will be to give suggestions for the meaningful accomplishment of the objectives of the Centre and to engage with the progress of the ongoing programmes from time to time. The Advisory Body shall be chaired by the Vice Chancellor.
Governance	**Governance**
Subject to the general control and supervision of the Executive Council, and in accordance with the Statutes and Ordinance of the University, the Cluster Innovation Centre shall have a Governing Body. The term of the Governing Body will be one year. The composition of the Governing Body shall be as follows: 1. Chairperson (Vice-Chancellor or his nominee) 2. Pro-Vice Chancellor 3. Dean of Colleges 4. Chairperson (Research Council) 5. Director, University of Delhi South Campus 6. Treasurer 7. Three members to be nominated by the Vice-Chancellor 8. Finance Officer or his nominee 9. Director – Member Secretary 10. Joint Director	XXXXXXXX No Change
The Governing Body shall exercise the following powers and functions, subject to the general control and supervision of the Executive Council, and in accordance with the Statutes and Ordinances of the University.	The Governing Body shall exercise the following powers and functions, subject to the general control and supervision of the Executive Council, and in accordance with the Statutes and Ordinances of the University. 1. To chart out the programme and

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1 – 9 XXXXXXXX	activities of the Units of Cluster Innovation Centre (CIC) and enhance and/or review activities. 2. The Units of CIC will conduct their programmes and activities under the governance of CIC. 3. To appoint the Programme Coordinators of CIC, IIC and CSEC (called Units of Cluster Innovation Centre). 4. Identify and appoint faculty on deputation from various Colleges from within the University and outside the University, appoint faculty on contract basis, visiting fellow, visiting faculty and/or guest faculty as per the requirements of the Centre. 5. Monitor teaching and non-teaching staff requirements, create permanent positions and initiate steps for filling them. 6. Determine infrastructure requirements and make arrangements for their acquisition. 7. Prepare the Budget of financial requirements of each of the Units and monitor the progress made by it. 8. Consider and approve the Annual Accounts of each Units along with the Audit Report. 9. Approve proposals for generation of funds for the programmes undertaken by each of the Units. 10. Make such rules as it may consider necessary for the regulation and smooth functioning of these Units from time to time.
The Academic Staff Director and Joint Director 1. There shall be a Director and a Joint Director at the Centre. The Director shall be the Head of the Centre and the Joint	The Academic Staff No change 1-5 No change

Director will assist the Director in carrying out all the academic and administrative works at the Centre in accordance the rules and regulations laid by the Governing Body.	
2. The Governing Body shall appoint the Director and the Joint Director from among the Professors of the University. The term of Director and Joint Director shall be five years. The Governing Body may extend the term of Director and Joint Director. The appointment of Director and Joint Director shall be reported to the Executive Council of the University.	
3. The Director will be the ex-officio member of the Advisory Body.	
4. The Director and Joint Director will be the ex-officio members of the Governing Body.	
5. In the absence of Director, the Joint Director shall act as Director.	6. All the Faculty members of CIC and IIC together will form a Core Faculty under the governance of CIC. 7. The Faculty for each of the Units will be drawn from the Core Faculty (CIC and IIC) as per requirement. The Director shall assign the faculty to the Units. 8. The Governing Body shall appoint the Programme Coordinators for each of the Units (CIC, IIC, CSEC), from among the Core Faculty members of CIC (CIC and IIC), based on the relevance and experience. The term of Programme Coordinators shall be five years. The Governing body may extend the term of Programme Coordinator. 9. The Programme Coordinators will be ex-officio members of the Advisory Body. 10.The Programme Coordinator will perform the duties of the Head/ In-Charge of the respective Unit besides teaching and other assignments.
	Programmes (i) The erstwhile CIC, IIC and CSEC shall continue all their existing.

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	programmes and activities under the aegis of CIC.
	(ii) The IIC, which shall be called South Campus Unit of CIC, shall organise teaching/research programmes independently or in collaboration with various departments on different aspects of communication and informatics to be broadly classified into the following aspects:
	(a) technological
	(b) environmental planning and natural resource management
	(c) social and mass communication and such other areas which the Unit may decide from time to time.
	(ii) The programme will lead to diploma (one year),M.A./M.Sc. (two years). Master of Applied Science (M. Appl. Sc.)/Master of Applied Social Science (M. Appl. Soc. Sc.) (three years duration) with provision of awarding M. A./M. Sc. after completion of two years of the programme, M.Tech. (Two year duration) and Ph.D. degree.
	(iii) The Unit may also conduct short duration certificate course.

The Academic Council further recommended that the following be deleted:

1. Ordinance XX-H (Centre for Science Education and Communication) of the Ordinances of the University.

2. Ordinance XX-I (Institute of Information and Communication) of the Ordinances of the University.

ACTION TAKEN BY VICE-CHANCELLOR UNDER EMERGENCY POWERS

31/ Resolved that the action taken by the Vice-Chancellor, in exercise of his emergency powers, under Clause (4) of Statute 11(G) of the Statutes of the University in the following matters be reported, recorded and confirmed:

1/ In approving on 21.04.2015, the Panel of Experts in Department of Bio-Chemistry (Faculty of Medical Sciences) for recognition of teachers as Lecturer (Assistant Professor)/Readers (Associate Professor)/Professors of the University as required under Statute 19(2) of the Statutes of the University for the year 2015-2017.

Note: (Panel of experts being confidential not placed here)

2/ In approving on 24.04.2015, the Panel of Experts in Department of Radio-Diagnosis (Faculty of Medical Sciences) for recognition of teachers as Lecturer (Assistant Professor)/Readers (Associate Professor)/Professors of the University as required under Statute 19(2) of the Statutes of the University for the year 2015-2017.

Note: (Panel of experts being confidential not placed here)

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3/ In approving on 24.04.2015, the Panel of Experts in Department of Dermatology (Faculty of Medical Sciences) for recognition of teachers as Lecturer (Assistant Professor)/Readers (Associate Professor)/Professors of the University as required under Statute 19(2) of the Statutes of the University for the year 2015-2017.

Note: (Panel of experts being confidential not placed here)

4/ In approving on 24.04.2015, the Panel of Experts in Department of Obstetrics & Gynecology (Faculty of Medical Sciences) for recognition of teachers as Lecturer (Assistant Professor)/Readers (Associate Professor)/Professors of the University as required under Statute 19(2) of the Statutes for the University of the year 2015-2017.

Note: (Panel of experts being confidential not placed here)

5/ In approving on 24.04.2015, the Panel of Experts in Department of Pulmonary Medicine (Faculty of Medical Sciences) for recognition of teachers as Lecturer (Assistant Professor)/Readers (Associate Professor)/Professors of the University as required under Statute 19(2) of the Statutes of the University for the year 2015-2017.

Note: (Panel of experts being confidential not placed here)

6/ In approving on 24.04.2015, the Panel of Experts in the following teaching departments, for considering their nomination on the various Screening-cum-evaluation Committee (s)/Selection Committee (s) to recommend appointment of teachers, placement/promotion of teachers in the Senior Scale/from one Academic Grade Pay (AGP) to the next higher AGP/Reader's Grade (Associate Professor's Grade)/Reader (Associate Professor) in various Colleges under the relevant Merit promotion Scheme, 1998/Career Advancement Scheme, 2010, as the case may be, in terms of Ordinance XVIII of the University:

S.No.   Name of the Department

1.   Financial Studies
2.   Physics & Astrophysics
3.   Philosophy
4.   Sociology

Note: (Panel of experts being confidential not placed here)

7/ In approving on 02.12.2014, the constitution of the Inspection Committee in terms of the provision of Statute 30(1)(C)(iii) of the statutes of the University for starting of MD (Radiotherapy) course at Maulana Azad Medical College (MAMC) from the session 2016 onwards. The Inspection Committee consisted of the following:

1. Prof. Reva Tripathi   -   Chairperson
   Dean, Faculty of Medical Sciences

2. Prof. Subhash Chander   -   Expert Member
   Professor & Head
   Department of Radiotherapy, AIIMS

3. Prof. Shahid Ali Siddiqui   -   Expert Member
   Professor & Chairman
   Department of Radiotherapy
   Jawaharlal Nehru Hospital
   Aligarh Muslim University
   Aligarh

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8/ In approving on 18.02.2015, the constitution of the Inspection Committee in terms of the provision of Statute 30(1)(C)(iii) of the Statutes of the University for starting of MDS (Oral and maxillofacial Surgery) course at Lady Hardinge Medical College (LHMC) from the session 2016 onwards. The Inspection Committee may consist of the following:

1. Prof. Reva Tripathi   -   Chairperson
   Dean,
   Faculty of Medical Sciences
   University of Delhi

2. Prof. Harpreet Grewal   -   Member
   HOD, Dental Sciences
   University of Delhi
   Delhi-110007

3. Dr. Vidya Rattan   -   Expert Member
   Additional Professor
   (Oral & Maxillofacial Surgery)
   Oral Health Sciences Centre
   PGIMER, Chandigarh

4. Prof. Ajay Roy Choudhary   -   Expert Member
   Professor & Head
   Department of Oral & Maxillofacial Surgery
   CDER, AIIMS

9/ In approving on 14.04.2015 the constitution of the Inspection Committee in terms of the provision of Clause 1 (C)(iii) of Statute 30 of the Statutes of the University for starting of MD (Bio-Chemistry) Course at G.B. Pant Hospital (GBPH) w.e.f. session 2016-2017. The Inspection Committee may consist of the following:

1. Dean,   -   Chairperson
   Faculty of Medical Sciences

2. The Head   -   Member
   Department of Bio-Chemistry

3. Dr. Jayashree Bhattacharjee   -   Expert Member
   Principal, VMMC, New Delhi

4. Dr.(Prof.) M. R. Rajeswari   -   Expert Member
   Department of Bio-Chemistry
   AIIMS, New Delhi

10/ In approving on 14.04.2015, the constitution of the Inspection Committee in terms of the provision of Clause 1 (C)(iii) of Statute 30 of the Statutes of the University for starting of MD (Radiodiagnosis) Course at G.B. Pant Hospital (GBPH) w.e.f. session 2016-2017. The Inspection Committee may consist of the following:

1. Dean,   -   Chairperson
   Faculty of Medical Sciences

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2. The Head,   -   Member
   Department of Radio-diagnosis

3. Prof. N. Khandelwal   -   Expert Member
   Professor & Head, Radiology,
   PGI, Chandigarh

4. Prof. Arun Gupta   -   Expert Member
   Professor & Head, Radiology
   AIIMS, New Delhi

11/ In approving on 14.04.2015, the constitution of the Inspection Committee in terms of the provision of Clause 1 (C)(iii) of Statute 30 of the Statutes of the University for starting of MD (Pathology) Course at G.B. Pant Hospital (GBPH) w.e.f. session 2016-2017. The Inspection Committee may consist of the following:

1. Dean,   -   Chairperson
   Faculty of Medical Sciences

2. The Head   -   Member
   Department of Pathology

3. Prof. Rajeev Sen   -   Expert Member
   Professor & Head,
   Department of Pathology,
   PGI, Chandigarh

4. Prof. H. Pati   -   Expert Member
   Department of Pathology,
   AIIMS, New Delhi

12/ In approving on 24.04.2015, the constitution of the Inspection Committee in terms of the provision of Clause 1 (C)(iii) of Statute 30 of the Statutes of the University for starting of MD (Microbiology) Course at G.B. Pant Hospital (GBPH) w.e.f. session 2016-2017. The Inspection Committee may consist of the following:

1. Dean,   -   Chairperson
   Faculty of Medical Sciences

2. The Head   -   Member
   Department of Microbiology
   University of Delhi

3. Dr. Anil Kanger   -   Expert Member
   IGMC, Shimla

4. Prof. Jagdish Chander   -   Expert Member
   Professor & Head
   Department of Microbiology,
   GMC, Chandigarh

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13/ In approving on 09.04.2015, the report of the Inspection Committee made at its meeting held on 15.01.2015 constituted by the Vice-Chancellor in terms of the provision of Statute 30(1)(C)(iii) of the Statutes of the University for renewal of MD (Radiotherapy) course at Maulana Azad Medical College (MAMC) from the academic session 2015-2016 onwards.

14/ In approving on 18.02.2015, the report of the Inspection Committee made at its meeting held on 28.01.2015 constituted by the Vice-Chancellor in terms of the provision of Statute 30(1)(C)(iii) of the Statutes of the University for starting of DM (Endocrinology) course at University College of Medical Sciences (UCMS) from the academic session 2016 onwards.

15/ In approving on 09.04.2015, the report of the Inspection Committee made at its meeting held on 23.03.2015 constituted by the Vice-Chancellor in terms of the provision of Statute 30(1)(C)(iii) of the Statutes of the University for starting of following MD (Homeopathic) Courses at Nehru Homeopathic Medical College and Hospital:

S.No.	Subject	Approved Seats
1.	MD. Homoeopathic in Materia Medica	:03 (three) seats
2.	MD. Homoeopathic in Repertory	:03 (three) seats
3.	MD. Homoeopathic in Psychiatry	:03 (three) seats

16/ In approving on 16.05.2015, the report of the Inspection Committee made at its meeting held on 24.04.2015 constituted by the Vice-Chancellor in terms of the provision of Statute 30(1)(C)(iii) of the Statutes of the University for starting of MDS (Oral and Maxillofacial Surgery) Courses at Lady Hardinge Medical College with intake of two seats per year.

17/ In approving on 13.10.2014, the constitution of the Inspection Committee in terms of the provision of Statute 30(1)(C)(iii) of the Statutes of the University for starting of MD (Ayurveda)/MS(Ayurveda)/Ph.D. Courses at All India Institute of Ayurveda, Gautampuri, SaritaVihar, Mathura Road, New Delhi from the academic session 2015-2016. The Inspection Committee consisted of the following:

1. The Dean, Faculty of Ayurvedic & Unani Medicines
2. Head, Department of Ayurvedic Medicines
3. Prof. G.S. Badesa, Department of Kaya Chikitsa, Director of Ayurveda, Old Nursing Hostal, Raipur, Chhatisgarh-492001
4. Prof. Manjari Dwivedi, Department of Prasuti, B.H.U. Varanasi
5. Prof. Lakshman Singh, Department of Shalya, B.H.U. Varanasi
6. Prof. V.K. Joshi, Department of Dravyaguna, I.M.S., B.H.U., Varanasi
7. Prof. Kaushal Kumar, Department of Swasthvritta, National Institute of Ayurveda, Jaipur
8. Prof. B.M. Singh, Head, Department of Bal Rog, B.H.U. Varanasi

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9. Prof. P.K. Prajapati, Head, Department of Ras Shashtra, IPGT & RA, Gujarat Ayurved University, Jamnagar.

10. Prof. K.S. Dhiman, Head, Department of Shalakya, IPGT & RA, Gujarat Ayurved University, Jamnagar.

11. Prof. Anoop Thakkar, Department of Panchakarma, IPGT & RA, Gujarat Ayurved University, Jamnagar

12. Prof. M.K. Vyas, Department of Basic Principles of Ayurved, IPGT & RA, Gujarat Ayurved University, Jamnagar.

18/ In approving on 29.12.2014, the report of the Inspection Committee made at its meeting held on 17.12.2014 constituted by the Vice-Chancellor in terms of the provision of Statute 30(1)(C)(iii) of the Statutes of the University for starting of MD (Ayurveda)/MS(Ayurveda)/Ph.D. Courses at All India Institute of Ayurveda, Gautampuri, Sarita Vihar, Mathura Road, New Delhi in the following disciplines from the academic session 2015-2016:

A. Clinical:

S.No	Description		Intake capacity
1.	Kaya Chikitsa		6
2.	Kaumarbhritya – Bal Roga		6
3.	Prasuti & Stri Roga		6
4.	SHALYA	Samanya	6
		Asthi Savdhi & Marmagat Roga	2
		Kshar Karma & Evam Anushashtra Karma	2
5.	SHALAKYA	Netra	4
		Karna, Nasa, Kautha & Shiro	4
		Danta Evam Mukharoga	4
6.	Panchakarma		6
7.	Rasayan & Vijikaran		2
8.	Manovigyan Evam Manas Roga		2
		Total	50

B. Para-Clinical:

S.No.	Description	Intake capacity
1.	Dravyaguna	6
2.	Ras Shashtra	6
3.	Roga Nidan Evam Vikriti Vigyan	6
4.	Swasthvritta	6
5.	Ayurved Samhita & Siddant	6
6.	Sharir Kriya	6
	Total	36

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19/ In approving on 23.06.2015, the proposal of Netaji Subhas Institute of Technology, Dwarka for starting of B.E. (Mechanical Engineering) Course (Full Time) from the academic session 2015-2016.

20/ In approving of the issuance of no objection to the following Colleges for submitting their proposals to the UGC for institution of Deen Dayal Upadhyaya Centre for Knowledge Acquisition and Upgradation of Skilled Human Abilities and Livelihood (KAUSHAL KENDRAS). Consequent upon UGC approval to the Courses, the University will further consider the same in consonance with the provisions laid down under Statute 30, Ordinance XVIII & XXI of the University:

1. **Acharya Narendra Dev College**

   (i) Certificate, Diploma and Advance Diploma in Holographic Security label and Paper Labelic Technologist Studies.

   (ii) Certificate course in Home and Personal care Products Manufacturing.

   (iii) Certificate in Fruit and Vegetable Processing and Preservation.

   (iv) Diploma in Pathology Studies

   (v) Certificate and Diploma course in Computational Biology and Drug Discovery

2. **Sri Guru Tegh Bahadur Khalsa College**

   (i) Certificate, Diploma, Advance Diploma and Graduation in Computational Programming and Modelling.

   (ii) Certificate, Diploma, Advance Diploma and Graduation in Forensic Science.

3. **Ramanujan College**

   (i) Accounting and Taxation
   (ii) Computer Animation and Multimedia
   (iii) Banking
   (iv) Computer Hardware and Network Maintenance
   (v) Financial Services
   (vi) Stock Market and Trading Operations
   (vii) Website Designing and Management
   (viii) Robotics Programming

21/ In approving of issuance of no objection to the following Colleges for submitting their proposals to the UGC for institution of Vocational Courses under XII Plan. Consequent upon UGC approval to the courses, the University will further consider the same in consonance with the provisions laid down under Statute 30, Ordinance XVIII & XXI of the University:

Sr.No.	Name(s) of the College(s)	Course(s)
01.	Jesus & Mary College	i) B.Voc. Health Care ii) B.Voc. Retail Management & IT

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02.	Kalindi College	i) B.Voc. – Travel & Tourism, ii) B.Voc. – Printing Technology iii)B.Voc.– Web Designing & Marketing
03.	College of Vocational Studies	i) B.Voc. – (Information Technology) Software Development ii) B.Voc. – Marketing (Retail)
04.	Maharaja Agrasen College	i) B.Voc. T.V. Programme & News Production ii) B.Voc. Editing and Animation

22/ In approving on 25.06.2015, the modalities for implementation of reservation for Persons with Disabilities (PWD) for admission to various Under-graduate/ Post-graduate Courses and M.Phil. Programmes in the University /Colleges. **(vide Appendix-129**

23/ In approving the following:

Sr. No	Items	Date of Approval
1.	Guidelines and schedule of admission to be followed for admission to various under-graduate courses in the Regular Colleges form the academic session 2015-2016, on the recommendations of the Dean Students' Welfare and the Committee constituted by the University.	18.05.2015 15.05.2015
2.	Eligibility criteria for admission to B.Sc. Mathematical Sciences for the academic session 2015-2016.	27.05.2015
3.	Eligibility criteria for admission to various under-graduate courses for the academic session 2015-2016.	17.06.2015
4.	Schedule of admission to various under-graduate courses on the basis of Sports/ECA.	20.05.2015 29.05.2015

OTHER THAN EMERGENCY ACTION TAKEN BY THE VICE-CHANCELLOR

32/ Resolved that the action taken by Vice-Chancellor other than emergency powers in the following matters be reported, recorded and confirmed:

1/ In approving the recommendations of the M.Phil. Committee in respect of the following Departments for appointment of External Examiner/Valuation of Scripts/Dissertations/Project Reports submitted by the M.Phil. students:

Name of the Department	**Date of Approval**
1. Department of Library & Information Science Letter No. DLIS/MPHIL/1200 made at its meeting held on 11.02.2015	28.02.2015
2. Department of Library & Information Science Letter No. DLIS/MPHIL/1201 made at its meeting held on 11.02.2015	28.02.2015

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3. Department of Library & Information Science   28.02.2015
   Letter No. DLIS/MPHIL/1202 made at its
   meeting held on 11.02.2015

4. Department of Mathematics   28.02.2015
   Letter No. Maths/2015/1548 made at its
   meeting held on 19.02.2015

Note: (Panel of examiners being confidential not placed here)

2/ In approving the recommendations of the M.Phil. Committee in respect of the following Departments for Valuation of Dissertations/Project reports submitted by the students of the M.Phil. Examination of the year 2014-2015:

Name of the Department	Date of Approval
1. Department of Anthropology	19.12.2014, 26.12.2014, 06.02.2015
2. Department of Mathematics	19.12.2014
3. Department of Botany	19.12.2014

Note: (Panel of examiners being confidential not placed here)

3/ In approving on 02.03.2015, the constitution of Committee consisting of the following members to consider and look into all aspects of the under mentioned matters in compliance with the orders of the Hon'ble Delhi High Court passed on 27.11.2014 in LPA No. 189/14, titled – Reid Huda Vs. University of Delhi & Ors. related matters:

(a) need to continue with the span period

(b) whether Ordinance X-C applies to span period

1. Justice S.K. Aggarwal (Retd.)	(Chairman)
2. Prof. J.M. Khurana	(Dean Students Welfare)
3. Prof. Devesh Sinha	(Dean, Faculty of Science)

4/ In approving on 02.03.2015, the constitution of the Committee consisting of the following members to deliberate upon the modalities to deal with the issue of change of name by students:

1. Prof. J.M. Khurana	Chairman
2. Prof. Rup Lal	(Dean, Examinations)
3. Shri Ram Dutt	(Joint Registrar - Academic)

5/ In approving on 09.04.2015, abolishing the requirement of affidavits attested by Magistrate/Notary from the students for various purposes in pursuance of the letter F.No. 19-16/2014-Desk U (Part) made at its meeting held on 13.08.2014 of Govt. of India, Ministry of Human Resource Development (Department of Higher Education). Instead, the students/applicants shall henceforth submit self-attested declarations, wherever necessary, on prescribed formats. However, they will produce any one of the following documents, in original, as a proof of identity at the time of submitting self-attested declarations along with a self-attested copy thereof:

1. Voter ID Card
2. Aadhaar Card

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3. Driving License
4. PAN Card
5. Passport

Consequently, the proviso of the Regulations under "Fees for Issuing Migration, Provisional and other certificates" clause 4, page no. 708-709 of calendar Volume II (1989) shall stand amended as follows:

Existing Provisions	Amended Provision
Provided that in very special cases subsequent copies of the degree, diploma or certificate may be issued for not more than four times, on submission of an affidavit signed and certified by a First Class Magistrate to the effect that the degree, diploma or certificate issued previously by the University has been lost or destroyed, and on payment of the same fees as are prescribed for the issue of duplicate copy.	Provided that in very special cases subsequent copies of the degree, diploma or certificate may be issued for not more than four time, on submission of a self attested declaration to the effect that the degree, diploma or certificate issued previously by the University has been lost or destroyed, and on payment of the same fees as are prescribed for the issue of duplicate copy.

All other relevant regulations shall stand amended accordingly.

6/ In approving on 24.04.2015, recommendations of the Committee of the Academic Council regarding rejection of the Ph.D. thesis of Mr. Vivek Dubey, Faculty of Law .

7/ In approving on 11.02.2015, the constitution of the Selection Committee comprising of the following members by the Vice-Chancellor for the award of "20 each All India Post-Graduate Scholarships & University Post-Graduate Scholarship" @ ₹ 400/- p.m. for the year 2014-15: **(vide Appendix-130)**

1. Dean, Faculty of Science (Chairperson)
2. Dean, Faculty of Arts
3. Dean, Faculty of Applied Sciences
4. Dean, Faculty of Social Sciences
5. Head, Department of Commerce
6. Principal, Miranda House

8/ In approving on 18.10.2014, the revaluation of answer sheets, which had become infructuous because of introduction of checking of answers sheets by multiple examiners, will be reverted and the answer sheets will be examined by single examiner. The procedure and guidelines for revaluation will be laid down by the University.

Ref: A.C. Resolution No. 87 made at its meeting held on 18.11.1990

9/ In approving the results of Doctor of Philosophy (Ph.D.) of the candidates as detailed below:

Date of Publication of the Result No. 24 to 38 and 1 to 32

01.01.2014, 08.01.2014, 16.01.2014, 29.01.2014, 04.02.2014, 12.02.2014,

25.02.2014, 27.02.2014, 06.03.2014, 09.03.2014, 12.03.2014, 13.03.2014,

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02.04.2014, 23.04.2014, 06.05.2014, 03.06.2014, 04.06.2014, 04.07.2014,

08.07.2014, 28.07.2014, 08.08.2014, 21.08.2014, 28.08.2014, 04.09.2014,

10.09.2014, 15.09.2014, 23.09.2014, 01.10.2014, 10.10.2014, 13.10.2014,

20.10.2014, 21.10.2014, 03.11.2014, 10.11.2014, 11.11.2014, 26.11.2014,

27.11.2014, 08.12.2014, 16.12.2014, 18.12.2014, 22.12.2014, 29.12.2014,

31.12.2014.

10/ In approving, the recommendations (Panel of examiners) of the Ph.D. Scholars from January 2014 to December 2014:

Sr. No	Name of the Department	Date of approval of the Vice-Chancellor
1.	Computer Science	01.04.2014, 01.07.2014, 01.11.2014
2.	Commerce	02.05.2014, 03.06.2014, 18.09.2014, 19.12.2014
3.	Buddhist Studies	04.03.2014, 02.05.2014, 23.09.2014, 19.12.2014
4.	Linguistics	02.05.2014, 03.06.2014, 23.09.2014, 19.12.2014
5.	MIL & LS	28.04.2014, 23.07.2014, 01.11.2014
6.	Philosophy	04.03.2014, 03.06.2014, 23.09.2014, 19.12.2014
7.	Psychology	02.05.2014, 23.07.2014, 01.11.2014, 26.12.2014
8.	Sanskrit	28.01.2014, 04.03.2014, 02.05.2014, 03.06.2014, 23.07.2014, 23.09.2014, 01.11.2014, 19.12.2014, 26.12.2014
9.	Urdu	02.05.2014, 03.06.2014, 23.07.2014, 23.09.2014, 01.11.2014, 19.12.2014
10.	Social Work	14.07.2014, 26.12.2014
11.	History	01.04.2014, 22.04.2014, 14.07.2014, 25.08.2014, 01.11.2014, 26.12.2014
12.	Political Science	01.04.2014, 01.11.2014, 26.12.2014
13.	Geography	01.04.2014, 22.04.2014, 14.07.2014, 01.11.2014
14.	African Studies	01.04.2014, 01.11.2014, 26.12.2014
15.	Arabic	04.03.2014, 02.05.2014
16.	Economics	01.04.2014, 22.04.2014, 25.08.2014, 26.12.2014
17.	Management Studies	17.02.2014, 03.06.2014, 18.09.2014, 19.12.2014
18.	Mathematics	1303.2014, 25.04.2014, 01.07.2014, 01.11.2014
19.	Business Economics	13.03.2014, 03.06.2014, 25.11.2014
20.	Statistics	13.03.2014, 25.04.2014, 01.11.2014
21.	East Asian Studies	01.04.2014, 22.04.2014
22.	Operational Research	13.03.2014, 25.04.2014, 01.11.2014
23.	English	28.01.2014, 04.03.2014, 19.12.2014
24.	Hindi	28.01.2014, 04.03.2014, 03.06.2014, 23.09.2014, 01.11.2014, 19.12.2014, 26.12.2014
25.	Library & Inf. Sc.	02.05.2014, 23.09.2014, 01.11.2014
26.	Punjabi	03.06.2014, 23.09.2014, 26.12.2014
27.	Financial Studies	03.06.2014, 18.09.2014, 19.12.2014
28.	Sociology	01.04.2014,2 2.04.2014, 14.07.2014, 25.08.2014, 26.12.2014
29.	Persian	28.01.2014, 03.06.2014, 23.07.2014, 19.12.2014

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30.	Germanic & Romance Studies	04.03.2014, 02.05.2014, 01.11.2014, 19.12.2014, 26.12.2014
31.	F/O Technology	04.04.2014, 19.08.2014, 02.09.2014
32.	Microbiology	03.03.2014, 22.04.2014, 02.05.2014, 03.06.2014, 01.07.2014, 25.07.2014, 19.08.2014, 16.10.2014, 26.12.2014
33.	Physical Education & Sports Sciences	04.04.2014, 23.07.2014, 25.11.2014
34.	Faculty of Music	01.07.2014, 02.07.2014, 02.09.2014, 16.10.2014, 25.11.2014, 13.12.2014
35.	Electronics Science	03.03.2014, 25.11.2014
36.	Botany	08.03.2014, 01.04.2014, 04.04.2014, 02.05.2014, 01.07.2014, 23.07.2014, 19.08.2014, 25.08.2014, 02.09.2014, 18.09.2014, 16.10.2014, 02.12.2014
37.	Biochemistry	01.04.2014, 22.04.2014, 19.08.2014, 16.10.2014
38.	Zoology	15.05.2014, 25.07.2014, 02.09.2014, 23.09.2014, 25.11.2014
39.	Geology	19.02.2014, 03.06.2014, 01.07.2014, 30.07.2014, 19.08.2014
40.	Home Science	15.05.2014, 02.09.2014, 02.12.2014
41.	Chemistry	19.02.2014, 30.07.2014, 16.10.2014
42.	Plant Molecular Biology	14.01.2014, 04.04.2014, 15.05.2014, 30.07.2014, 01.11.2014, 13.11.2014
43.	Faulty of Law	04.04.2014
44.	Anthropology	11.02.2014, 01.04.2014, 04.04.2014, 02.05.2014, 03.06.2014, 23.07.2014, 19.08.2014, 02.09.2014, 18.09.2014, 01.11.2014, 25.11.2014
45.	Physics & Astrophysics	28.01.2014, 02.05.2014, 15.05.2014, 18.09.2014, 01.11.2014, 25.11.2014
46.	Faculty of Education	02.05.2014, 02.07.2014, 23.07.2014, 18.09.2014, 01.11.2014, 26.12.2014
47.	Environmental Studies	26.12.2014
48.	Genetics	03.03.2014, 01.04.2014, 22.04.2014, 15.05.2014, 30.07.2014
49.	ACBR	14.01.2014, 01.11.2014
50.	Pharmacy	02.12.2014
51.	Biophysics	01.04.2014
52.	Faculty of Medical Sciences	30.01.2014, 11.02.2014, 19.02.2014, 12.03.2014, 01.04.2014, 02.05.2014, 15.05.2014, 01.07.2014, 19.08.2014, 02.09.2014, 18.09.2014, 01.11.2014, 25.11.2014

Note: (Panel of examiners being confidential not placed here)

11/ **Ref: A.C. Resolution No. 37(10) made at its meeting held on 21.01.2015**

In approving on 24.04.2015, shifting of some of the course from one semester to another semester in M.A. English syllabus and syllabus of a new Inter-disciplinary course (ENG0404) on "Method in the Analysis of Culture" for students from other Departments of University of Delhi in Semester IV.

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12/ In approving on 01.06.2015, the following amendment in Para 5 of the modalities for implementation of reservation for PwD for admission to various under-graduate/post-graduate courses in the University/Colleges:

Para	Existing Provision	Para	Amended Provision
5	3% reservation will be allocated as follows: 1% for persons with low vision or blindness, 1% for hearing impaired, 1% for those with loco motor disabilities and or cerebral palsy.	5	3% reservation will be allocated as follows: 1% for person with low vision or blindness, 1% for hearing impaired, 1% for those with loco motor disabilities and or cerebral palsy, including dyslexia.

13/ In approving on 13.03.2013, admission fee sharing mechanism for 2-year | (4-semester) Post-Graduate Meta-University programme, M.Sc. (Mathematics Education) between University of Delhi and Jamia Millia Islamia (JMI).

Note: "The students of Meta University Course M.Sc. (Mathematics Education) (earlier known as Master of Mathematics Education) shall deposit the fee of every semester at University of Delhi and then University of Delhi (through Registrar) shall pass on the fee submitted for the fourth semester by the students to JMI".

LETTERS RECEIVED FROM UNIVERSITY GRANTS COMMISSION

33/ The receipt of D.O. Letter No. F.1-25/2015(CC) made at its meeting held on 08.06.2015 from the Joint Secretary, University Grants Commission to the Principal, Maharaja Agrasen College thereby conveying the approval of the Commission to the Grant of Rs. 69.96 Lakhs for starting/adding of Advance Diploma in TV Programme and News Production course under the scheme of Community Colleges from the Academic Year 2015-16 be reported and recorded.

ANY OTHER ITEM WITH PERMISSIN OF CHAIR

34/ Resolved that the following scheme of examination for the under-graduate courses/papers under the Choice Based Credit System (CBCS) be accepted and recommended to the Executive Council for approval.

For all the students obtaining admissions under the Three Year Under-graduate Programme under CBCS starting 2015-16, the span period to complete the course will be 6 years from the year of admission in the first semester, irrespective of the different courses provided the student has completed all requirements to become eligible for appearing in the University Examinations as per rules.

The following provisions shall be applicable to students admitted to the Three Year Under-graduate programme under CBCS programme.

Pass percentage and promotion criteria

(a) A student who appears in an odd semester examinations or who was eligible to appear in the odd semester examinations but remains absent in any or all the papers of the

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said semester, shall move on to the next even semester irrespective of his/her result in the said examinations.

(b) A student who has obtained 40% on the aggregate taking together all the papers in theory examination (including internal assessment/ project work) and practical examination separately conducted in Ist and IInd semester shall be promoted to the second academic year/IIIrd semester.

(c) A student who has obtained 40% on the aggregate taking together all the papers in theory examination (internal assessment/ project work) and practical examinations separately, conducted in IIIrd and IVth semester shall be promoted to the third academic year/ Vth semester.

(d) A student who wants to re-appear for improvement in marks in a paper prescribed for semester I/III/V may do so only in the semester examinations to be held in November-December. A student who wants to re-appear for improvement in a paper prescribed in semester II/IV/VI may do so only in the examinations to be held in May/June.

Re-appearance for improvement

(a) A student may re-appear in any theory paper prescribed for a semester, on foregoing in-writing her/his previous performance in the paper/s concerned. This can be done in the immediate subsequent semester examination only(for example , a student re-appearing in paper prescribed for semester I examination may do so along with subsequent semester IIIrd examination and not along with papers for semester Vth).

(b) A candidate who has cleared examinations of third academic year (Vth and VIth semesters) may re-appear in any paper of V or VI semester only once, at the immediate subsequent examinations on foregoing in writing her/his previous performance in the paper/s concerned, within the prescribed span period.
(Note: The candidate of this category will not be allowed to join any post-graduate courses)

(c) In the case of re-appearance in paper, the result will be prepared on the basis of candidate's current performance in the examinations.

(d) In the case of a candidate, who opts to re-appear in any paper/s under the aforesaid provisions, on surrendering her/his earlier performance but fails to re-appear in the paper/s concerned, the marks previously secured by the candidate in the paper/s in which she/he has failed to re-appear shall be taken into account while determining her/his result of the examination held currently.

(e) Re-appearance in practical/internal assessment shall not be allowed.

(f) All papers of Core, Elective, Ability Enhancement Compulsory Courses (AECC) shall be for 100 marks each and 25 marks shall be for Internal Assessment (IA).

(g) Examination for Practical wherever applicable shall be based on continuous evaluation.

(h) Duration of end semester theory examinations of Core and Elective subjects shall be three hours.

(i) The entire evaluation process for AECC shall be undertaken by each college where the AECC are being taught and the teacher responsible for the conduct of learning of the AECC shall be responsible for the evaluation.

(j) There shall be no internal assessment in practical papers.

(k) There shall be no supplementary examinations.

(l) Paper setting and evaluation of the answer script of the concerned paper shall be coordinated by the respective boards appointed by the Competent Authority. In case

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of at least 50% of Core courses offered in different programmes across the disciplines, the assessment / evaluation of the theoretical component towards the end of the semester should be undertaken by external examiners from outside the college at the UG level who may be appointed by the Competent Authority.

(m) Eligibility for award of degree under CBCS.

The following shall be applicable to students admitted to the under-graduate programme under CBCS:

(a). If a student has secured an aggregate of minimum 40% marks taking together all the papers in theory examination (including internal assessment/ project, wherever applicable) and practical exam separately till the end of the third year, i.e., upto the end of the VIth semester, then she/he shall be awarded the degree in which the student has been admitted.

(b). Students who do not fulfill the promotion criteria mentioned above shall be declared fail in the promotion examinations of the academic year concerned. However, they shall have the option to retain the marks in the papers in which they want to retain.

Letter grades and grade points

(I). A student who passes all the papers prescribed for semester I to semester VI examinations would be eligible for the degree. Such a student shall be categorized on the basis of the combined result of semester I to semester VI examinations under CBCS on a 10 point grading system with the following Letter Grades as given below:

Letter Grade	Grade Point
(Outstanding)	10
A+ (Excellent)	9
A (Very Good)	8
B+ (Good)	7
B (Above Average)	6
C (Average)	5
P (Pass)	4
F (Fail)	0
Ab (Absent)	0

Issue of Transcripts

Based on the grades earned, a Grade Certificate shall be issued to all the registered students by the University after every semester and a consolidated transcript indicating the performance in all semesters. The Grade Certificate will display the course details (code, title of the paper, number of credits, grade secured) along with SGPA of each semester and CGPA earned based on overall six semesters.

(II). A student obtaining Grade F shall be considered failed and will be required to re-appear in the examinations.

(III). For non- credit courses, 'satisfactory' or 'unsatisfactory' shall be indicated instead of the Letter Grade and this will not be counted for the computation of SGPA/CGPA.

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35/ The Council, in accordance with the A.C. Res.No.59 dated 21.01.2015, authorized the Vice-Chancellor to consider and approve any modification/addition required to the undergraduate courses/papers, to be implemented under Choice Based Credit System (CBCS) from the academic session   2015-16, including their syllabi and scheme of examination so as to comply with the syllabi and scheme of examination recommended by UGC for Choice Based Credit System (CBCS) and report it in the next Academic Council meeting.

The meeting ended with a vote of thanks to the Chair.

sd/-
(Prof. Tarun Kumar Das)
Registrar - Secretary

sd/-
(Prof. Dinesh Singh)
Vice Chancellor - Chairman

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MINUTES OF THE MEETING OF THE EXECUTIVE COUNCIL HELD ON SATURDAY, THE 20th JULY, 2019 at 11.00 A.M AND CONTINUTED UPTO 11:00 P.M. ADJOURNED THEREAFTER AND RESUMED ON SUNDAY, THE 21st July 2019 at 11:30 A.M. IN THE COUNCIL ROOM, UNIVERSITY OF DELHI, DELHI-110007

No. 2

P R E S E N T

1.	Prof. Yogesh Kumar Tyagi	Vice-Chancellor - Chairman
2.	Prof. J.P. Khurana	Director, South Campus
3.	Prof. C.S. Dubey	Officiating Director, Campus of Open Learning
4.	Sh. T. S. Kripanidhi	Treasurer
5.	Prof. Neeta Sehgal	Officiating Proctor
6.	Prof. Namita Ranganathan	
7.	Prof. Sathyabhama Das Biju	
8.	Prof. Syed Ali Karim	
9.	Dr. Anula Maurya	
10.	Dr. I. S. Bakshi	
11.	Dr. InderJeet Singh	
12.	Dr. J. L. Gupta	
13.	Dr. Rajesh Kumar Jha	
14.	Dr. V.S. Negi	
15.	Sh. Rajesh Gogna	
16.	Sh. Yogender Singh Mathur	
17.	Ms. Indira Chandrasekhar	

SPECIAL INVITEES

1. Prof. Kavita Sharma
2. Prof. M.K. Pandit
3. Prof. Pankaj Arora
4. Prof. Rajeev Gupta
5. Prof. Vinay Gupta
6. Dr. Payal Mago
7. Dr. Satish Kumar

Prof. Tarun Kumar Das   –   Registrar - Secretary

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WELCOME

28/- At the outset, the Council welcomed the following who have become members of the Executive Council:-

| **STATUTE 5(1)(viii)(b)** | - | **Dean of the Faculties** |
| 1. Prof. Syed Ali Karim | - | Dean, Faculty of Arts |

APPRECIATION

29/- The Council placed on record its deep sense of appreciation of the services rendered by the following as member of the Executive Council:-

| **STATUTE 5(1)(viii)(b)** | - | **Dean of the Faculties** |
| 1. Prof. Mohan | - | Dean, Faculty of Arts |

30/- The Council expressed condolence on the sad demise of Smt. Sheila Dixit, former Chief Minister, Govt. of NCT of Delhi, and Prof. G.K. Das, Professor of English (Retd.) and former Director, South Delhi Campus, University of Delhi. The Council observed silence as a mark of respect for the departed souls.

31/- The Minutes of the meeting of the Executive Council held on 01-02.07.2019 (**Appendix-I**) were confirmed.
(Six Members dissented on the date of eligibility for promotion of faculty members)

32/- The Action Taken Report on the decisions made by the Executive Council at its meeting held on 01-02.07.2019 was noted.(**Appendix-II**). Following matter was considered and approved:

32-1/ Disciplinary Matter with respect to E.C. Resolution No. 21-VII dated 01-02.07.2019.

32-2/ No matter was raised for discussion in Matter arising out of the Minutes of the Executive Council meeting held on 01-02.07.2019.

33/- **The Executive Council approved the following recommendations made by the Academic Council at its meeting held on 15/16.07.2019. The Council further resolved that the consequential amendments to the relevant Ordinance of the University be made accordingly:**

33-1/ the recommendations of the Standing Committee on Academic Matters made at its meeting held on 20.08.2018 under the Chairmanship of Prof. J.P. Khurana, Pro-Vice-Chancellor, University of Delhi in respect of the following faculties regarding revision of courses under Choice Based Credit System (CBCS) be accepted:

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Sr. No.	Faculty	Courses
1.	Commerce & Business Studies	**Department of Commerce** 1. Master of Commerce (M.Com.) **(Annexure-1)** 2. Master of Business Administration (International Business) MBA(IB) **(Annexure-2)** 3. Master of Business Administration (Human Resource Development) MBA(HRD) **(Annexure-3)**
		Department of Financial Studies 1. Change of the nomenclature of the course from MBA (Financial Management) to MBA (Finance) and 2. Master of Business Administration (Finance) (MBA) (Finance) **(Annexure-4)**
2.	Applied Social Sciences and Humanities	1. MBA (Business Economics) **(Annexure-5)** 2. Conversion formula for the award of Diploma/ Advance Diploma/ Degree/ B. Voc. Course be modified in consultation with the Examination. **(Annexure-5A)** 3. Introduction of new course curriculum of Bachelor of Business Administration (Entrepreneurship) (BBA (Entrepreneurship). **(Annexure-6)**
3.	Music & Fine Arts	**Department of Music** 1. M.A. Hindustani Music (Vocal/Instrumental-Sitar/ Sarod/ Guitar/ Violin/ Santoor) **(Annexure-7)** 2. M.A. Karnatak Music (Vocal/ Instrumental (Veena/ Violin) **(Annexure-8)** 3. M.A. Percussion Music (Table/Pakhawaj) **(Annexure-9)** 4. Scheme of Examination 2 year Diploma Course in Harmonium (Annual Mode).**(Annexure-10)** 5. Revision of syllabus of subsidiary subject of BFA Applied Arts course. **(Annexure-11)**

33-2/ the recommendations of the Standing Committee on Academic Matters made at its meeting held on 24.08.2018 under the Chairmanship of Prof. J.P. Khurana, Pro-Vice-Chancellor, University of Delhi in respect of the following faculties regarding revision of courses under Choice Based Credit System (CBCS) be accepted:

Sr. No.	Faculty	Courses
1.	Science	**Department of Anthropology** 1. M.Sc. Anthropology **(Annexure-12)** 2. M.Sc. Forensic Science **(Annexure-13)**
		Dr. B.R. Ambedkar Centre for Biomedical Research 1. M.Sc. Biomedical Science Course **(Annexure-14)**
		Department of Botany 1. M.Sc. Botany **(Annexure-15)**
		Department of Environmental Studies 1. M.A./M.Sc. Environmental Studies **(Annexure-16)**
		Department of Geology 1. M.Sc. Geology **(Annexure-17)**
		Department of Physics & Astrophysics 1. M.Sc. Physics **(Annexure-18)**

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		Department of Zoology 1. M.Sc. Zoology (Annexure-19)
		Department of Home Science 1. M.Sc. Food and Nutrition **(Annexure-20)** 2. M.Sc. Human Development and Childhood Studies **(Annexure-21)** 3. M.Sc. Development Communication and Extension **(Annexure-22)** 4. M.Sc. Resource Management and Design Application **(Annexure-23)** 5. M.Sc. Fabric and Apparel Science **(Annexure-24)** 6. Post-Graduate Diploma in Dietetics and Public Health Nutrition – PGDDPHN **(Annexure-25)** 7. Post-Graduate Diploma in Health and Social Gerontology – PGDHSG **(Annexure-26)**
		Pt. Deendayal Upadhyaya National Institute for Persons with Physical Disabilities (Divyangjan) 1. Master in Prosthetics and Orthotics (MPO) two year duration (Annual) **(Annexure-27)** 2. Bachelor in Prosthetics and Orthotics (BPO) 4½years duration (Annual) **(Annexure-28)** 3. Introduction of new course curriculum of Part Time Bachelor in Prosthetics and Orthotics condensed course (only for three batches) two years duration (Annual) excluding internship. **(Annexure-29)**
2.	Inter-disciplinary & Applied Sciences	**Department of Bio-Chemistry** 1. M.Sc. Biochemistry **(Annexure-30)**
		Department of Electronics 1. Master of Science (Electronics). **(Annexure-31)**
		Department of Genetics 1. Master of Science (Genetics) **(Annexure-32)**
		Institute of Informatics & Communication (IIC) 1. Master of Science in Informatics (M.Sc. Informatics) **(Annexure-33)**
		Department of Plant Molecular Biology 1. Master of Science in Plant Molecular Biology and Biotechnology (PMBB) course. **(Annexure-34)**
		Department of Microbiology 1. Master of Science in Microbiology.**(Annexure-35)**
		Department of Biophysics 1. M.Sc. Biophysics **(Annexure-36)**
3.	Mathematical Sciences	**Department of Mathematics** 1. M.A./M.Sc. Mathematics **(Annexure-37)**
		Department of Operational Research 1. Master of Operational Research course (MOR) **(Annexure-38)**
		Department of Computer Science 1. Introduction of new elective course MCS-210 (Deep

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| | | Learning) **(Annexure-39)** and MCA-526 (Deep Learning) **(Annexure-40)** in M.Sc. Computer Science, MCA courses
2. Master of Computer Applications **(Annexure-41)**
3. M.Sc. Computer Science **(Annexure-42)** |
| | · | **Department of Statistics**
1. M.A./M.Sc. Statistics (Annexure-43) |

33-3/ the recommendations of the Standing Committee on Academic Matters made at its meeting held on 28.08.2018 under the Chairmanship of Prof. J.P. Khurana, Pro-Vice-Chancellor, University of Delhi in respect of the following faculties regarding revision of courses under Choice Based Credit System (CBCS) be accepted.

Sr. No.	Faculty	Courses
1.	Arts	**Department of English** 1. M.A. English (Annexure-44)
		Department of Persian 1. M.A. Persian **(Annexure-45)**
		Department of Hindi 1. M.A. Hindi **(Annexure-46)**
		Department of Psychology 1. M.A. Psychology **(Annexure-47)** 2. M.A. Applied Psychology **(Annexure-48)**
		Department of MIL & Literary Studies 1. M.A. in Tamil **(Annexure-49)** 2. M.A. in Bengali **(Annexure-50)** 3. M.A. in Comparative Indian Literature **(Annexure-51)**
		Department of Philosophy 1. M.A. Philosophy **(Annexure-52)**
		Department of Germanic & Romance Studies 1. M.A. in Italian Studies **(Annexure-53)** 2. M.A. in French Studies **(Annexure-54)** 3. M.A. in German Studies **(Annexure-55)** 4. M.A. in Hispanic Studies **(Annexure-56)**
		Department of Slavonic & Finno Ugrian Studies 1. M.A. Russian **(Annexure-57)**
		Department of Library & Information Science 1. Post-Graduate courses B.LISc. and M.LISc. **(Annexure-58)**
		Department of Urdu 1. M.A. Urdu **(Annexure-59)**
		Department of Arabic 1. M.A. Arabic **(Annexure-60)**
		Department of Sanskrit 1. M.A. Sanskrit (Annexure-61)
		Department of Buddhist Studies 1. M.A. Buddhist Studies **(Annexure-62)**
2.	**Social Science**	**Department of Adult Continuing Education & Extension** 1. M.A. Lifelong Learning & Extension **(Annexure-63)**

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		Department of East Asian Studies
		1. M.A. East Asian Studies **(Annexure-64)**
		2. Passing criteria of part time Certificate/ Diploma/ Advance Diploma course: **(Annexure-65)**
		  a. *Certificate Course in Chinese Language (part-time) (CP-1)*
		  b. *Certificate Course in Japanese Language (part-time) (JP-1)*
		  c. *Certificate Course in Korean Language (part-time) (KP-1)*
		  d. *Diploma Course in Chinese Language (part-time) (CP-2)*
		  e. *Diploma Course in Japanese Language (part-time) (JP-2)*
		  f. *Diploma Course in Korean Language (part-time) (KP-2)*
		  g. *Advanced Diploma Course in Chinese Language (part-time) (CP-3)*
		  h. *Advanced Diploma Course in Japanese Language (part-time) (JP-3)*
		  i. *Advanced Diploma Course in Korean Language (part-time) (KP-3)*

		Department of Geography 1. M.A. Geography **(Annexure-66)**
		Department of History 1. M.A. History **(Annexure-67)**
		Department of Political Science 1. M.A. Political Science **(Annexure-69)**
		Department of Social Work 1. M.A. Social Work **(Annexure-70)**
		Department of Sociology 1. M.A. Sociology **(Annexure-71)**
		Department of Economics 1. Introduction of syllabus of Basic Computational Techniques for Data Analysis paper of Department of Economics in B.A. Programme (CBCS) SEC IV (6th Semester). **(Annexure-72)**
3.	Law	1. Bachelor of Law (LL.B.) **(Annexure-73)**

33-4/ the recommendations of the Standing Committee on Academic Matters made at its meeting held on 11th July, 2019 and 14th July, 2019 under the Chairmanship of Prof. J.P. Khurana, Pro-Vice-Chancellor, University of Delhi in respect of the following faculties/ Centre regarding revision/introduction of courses under Choice Based Credit System (CBCS) be accepted.

Sr. No.	Faculty	Courses
1.	Mathematical Sciences	**Department of Mathematical Sciences** 1. B.Sc. (Hons.) Mathematics **(Annexure-74)** 2. B.Sc. (Programme) Physical Sciences/Mathematical Sciences. **(Annexure-75)** 3. B.A. (Programme) Mathematics based papers. **(Annexure-76)** 4. B.Sc. (Programme) Analytical Chemistry. **(Annexure-77)**

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		5. Generic Elective (GE) for Honours Courses. **(Annexure-78)** 6. Generic Elective (GE) for B.A./ B.Com. Courses. **(Annexure-79)**
		Department of Statistics 1. B.Sc. (Hons.) Statistics. **(Annexure-80)** 2. B.A. (Programme) Statistics based papers. **(Annexure-81)** 3. B.Sc. (Programme) Mathematical Sciences. **(Annexure-82)**
		Department of Computer Science 1. B.Sc. (Hons.) Computer Science Programme. **(Annexure-83)** 2. B.Sc. Programme Physical/ Mathematical Sciences. **(Annexure-84)** 3. B.A. (Programme) Discipline Course in Computer Application. **(Annexure-85)** 4. General Electives for Hons./ Non-Hons. Programs. **(Annexure-86)** 5. MCA – Deep Learning MCA-410. **(Annexure-87)** 6. M.Sc. – Deep Learning MCS-210. **(Annexure-88)**
		Department of Operational Research 1. O.R. papers for B.Sc. Mathematical Sciences. **(Annexure-89)** 2. O.R. papers for B.A. Programme. **(Annexure-90)** 3. General Elective courses for B.A. (Hons.)/ B.Com. (Hons.)/B.Sc. (Hons.). **(Annexure-91)**
2	**Faculty of Commerce & Business Studies**	**Department of Commerce** 1. B.Com. (Hons.) **(Annexure-92)** 2. B.Com. (Pass) **(Annexure-93)** 3. B.A. (Programme) Commerce based papers. **(Annexure-94)**
3.	**Faculty of Science**	1. B.Sc. (Hons.) Polymer Science. **(Annexure-95)** 2. B.Sc. (Hons.) Biological Science. **(Annexure-96)**
		Department of Botany 1. B.Sc. (Hons.) Botany. **(Annexure-97)** 2. B.Sc. Programme Applied Life Sciences with Agrochemicals and Pest Management (Botany Component). **(Annexure-98)** 3. B.Sc. Programme in Life Sciences (Botany Component). **(Annexure-99)**
		Department of Anthropology 1. B.Sc. (Hons.) Anthropology. **(Annexure-100)**
		Department of Environmental Studies 1. Six month Ability Enhancement compulsory course (AECC-I), Environmental Studies. **(Annexure-101)**

		Department of Home Science
		1. B.Sc. (Hons.) Home Science. **(Annexure-102)**
		2. B.Sc. (Hons.) Food Technology. **(Annexure-103)**
		3. B.Sc. (Prog.) Home Science. **(Annexure-104)**
		4. B.A. Programme Home Science based papers:
		  (a) Nutrition Health Education. **(Annexure-105)**
		  (b) Food Technology. **(Annexure-106)**
		  (c) Apparel Design & Construction. **(Annexure-107)**
		  (d) Human Development & Family Empowerment. **(Annexure-108)**

		Department of Zoology 1. B.Sc. (Hons.) Zoology. **(Annexure-109)**

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		2. B.Sc. (Programme) Life Sciences. (Annexure-110)
		3. B.Sc. (Programme) Applied Life Science with Agrochemicals & Pest Management. (Annexure-111)
		Ambedkar Centre for Biomedical Research
		1. B.Sc. (Hons.) Biomedical Science. (Annexure-112)
		Department of Geology
		1. B.Sc. (Hons.) Geology. (Annexure-113)
		Department of Physics & Astrophysics
		1. B.Sc. (Hons.) Physics. (Annexure-114)
		2. B.Sc. Physical Sciences (Discipline Physics). (Annexure-115)
		3. B.Sc. Physical Sciences (Discipline Electronics). (Annexure-116)
4.	**Faculty of Music & Fine Arts**	**Department of Music**
		1. B.A. (Hons.) Hindustani Music (Vocal/ Instrumental). (Annexure-117)
		2. B.A. (Hons.) Karnatak Music (Vocal/ Instrumental). (Annexure-118)
		3. B.A. (Hons.) Hindustani Music – Percussion (Tabla/ Pakhawaj). (Annexure-119)
		4. B.A. (Prog.) Hindustani Music based paper. (Annexure-120)
		5. Generic Elective (GE) – Hindustani Music for other Hons. Courses. (Annexure-121)
5.	**Inter-disciplinary & Applied Sciences**	**Department of Biochemistry**
		1. B.Sc. (Hons.) Biochemistry. (Annexure-122)
		Department of Microbiology
		1. B.Sc. (Hons.) Microbiology. (Annexure-123)
		Department of Electronic Science
		1. B.Sc. (Hons.) Electronic Science. (Annexure-124)
		2. B.Sc. (Hons.) Instrumentation. (Annexure-125)
		3. Change of scheme of examination for the curriculum in M.Tech.(Microwave Electronics).(Annexure-126)
		Department of Physical Education & Sports Sciences
		1. B.Sc. (P.E., H.E.& S.) Programme. (Annexure-127)
6.	**Applied Social Sciences & Humanities**	1. B.A. (Hons.) Multi Media and Mass Communication. (Annexure-128)
		2. Bachelor of Management Studies (BMS). (Annexure-128A)
		3. Bachelor of Business Administration (Financial Investment Analysis) BBA(FIA). (Annexure-129)
		4. Bachelor of Business Economics. (Annexure-130)
		5. B.Voc. (Retail and Logistics Management).* (Annexure-131)
		6. B.Voc. (E-Taxation and E-Accounting).* (Annexure-132)
		7. B.Voc. (Applied Computer Sciences).* (Annexure-133)
		8. B.Voc. (Forensic Science Techniques).* (Annexure-134)
		9. B.Voc. (Communication and Mass Media Production).* (Annexure-135)
		10. B.Voc. (Multimedia, e-Learning and m-Learning).* (Annexure-136)
		* Ref.: A.C. Resolution No. 11 dated 2/16 January, 2019.
7.	**Arts**	**Department of Arabic**
		1. B.A. (Hons.) Arabic. (Annexure-137)

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		2. B.A. (Programme) Arabic. **(Annexure-138)**
		Department of Buddhist Studies 1. B.A. (Prog.) Buddhist Studies. **(Annexure-139)**
		Department of Germanic & Romance Studies 1. B.A. (Hons.) French. **(Annexure-140)** 2. B.A. (Hons.) German. **(Annexure-141)** 3. B.A. (Hons.) Italian. **(Annexure-142)** 4. B.A. (Hons.) Spanish. **(Annexure-143)** 5. B.A. (Prog.) French. **(Annexure-144)** 6. B.A. (Prog.) German. **(Annexure-145)** 7. B.A. (Prog.) Spanish. **(Annexure-146)**
		Department of Linguistics 1. B.A. Programme Linguistics. **(Annexure-147)** 2. M.A. Linguistics. **(Annexure-148)**
		Department of Modern Indian Languages and Literary Studies 1. B.A. (Hons.) Bengali. **(Annexure-149)** 2. UG Course Bengali. **(Annexure-150)** 3. UG Course Sindhi. **(Annexure-151)** 4. UG Course Tamil. **(Annexure-152)** 5. UG Course Telugu. **(Annexure-153)** 6. MIL core Courses (Assamese, Gujrati, Kannada, Malayalam, Manipuri, Marathi, Odia). **(Annexure-154)**
		Department of Persian 1. B.A. (Hons.) Persian. **(Annexure-155)** 2. B.A. Programme Persian. **(Annexure-156)**
		Department of Philosophy 1. B.A. (Hons.) Philosophy. **(Annexure-157)** 2. B.A. Programme Philosophy. **(Annexure-158)**
		Department of Psychology 1. B.A. (Hons.) Psychology. **(Annexure-159)** 2. B.A. (Hons.) Applied Psychology. **(Annexure-160)**
		Department of Punjabi 1. B.A. (Hons.) Punjabi. **(Annexure-161)** 2. And Other Honours Courses. **(Annexure-162)**
		Department of Sanskrit 1. B.A. (Hons.) Sanskrit. **(Annexure-163)** 2. Undergraduate Course for Sanskrit. **(Annexure-164)**
		Department of Urdu 1. B.A. (Hons.) Urdu. **(Annexure-165)** 2. B.A. (Prog.)/B.Com. (Prog.) Urdu. **(Annexure-166)**
8.	Cluster Innovation Centre	**Cluster Innovation Centre** 1. B. Tech. (Information Technology & Mathematical Innovations). **(Annexure-167)** 2. B.A. (Hons.) (Humanities & Social Sciences). **(Annexure-168)** 3. M.Sc. (Mathematics Education) **(Annexure-169)**
9.	Social Sciences	**Department of Economics** 1. B.A. (Hons.) Economics. **(Annexure-170)** 2. B.A. (Prog.) Economics. **(Annexure-171)** 3. B.Com. (Prog.) General Elective Course. **(Annexure-172)** 4. M.A. Economics **(Annexure-173)**

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		Department of Social Work 1. B.A. (Hons.) Social Work. **(Annexure-174)**
		Department of Adult Continuing Education & Extension 1. Generic Elective Courses for B.A. (Hons.) Journalism. **(Annexure-175)**
		College of Vocational Studies 1. B.A. (Vocational Studies) Human Resource Management **(Annexure-176)** 2. B.A. (Vocational Studies) Management and Marketing of Insurance. **(Annexure-177)** 3. B.A. (Vocational Studies) Marketing Management and Retail Business. **(Annexure-178)** 4. B.A. (Vocational Studies) Material Management. **(Annexure-179)** 5. B.A. (Vocational Studies) Office Management & Secretarial Practice. **(Annexure-180)** 6. B.A. (Vocational Studies) Small and Medium Enterprises. **(Annexure-181)** 7. B.A. (Vocational Studies) Tourism Management. **(Annexure-182)**
10.	Education	1. B.A. (Prog.) Education. **(Annexure-183)**
11.	Management Studies	1. Master of Business Administration (MBA) (Full Time) **(Annexure-184)** 2. Master of Business Administration (Health Care Administration) **(Annexure-185)** 3. Master of Business Administration (Executive) **(Annexure-186)**
12.	Medical Sciences	1. Change of nomenclature of M.Ch. Plastic Surgery to M.Ch. (Plastic & Reconstructive Surgery) **(Annexure-187)** 2. Change of nomenclature of MD (Radio-therapy) to MD (Radiation Oncology) **(Annexure-188)** 3. Amendment in the MDS Ordinance. **(Annexure-189)**

33-5/ the recommendations of the Standing Committee on Academic Matters made at its meeting held on 20.08.2018, 24.08.2018, 28.08.2018 and 11.07.2019 under the Chairmanship of Prof. J.P. Khurana, the Pro-Vice-Chancellor, University of Delhi in respect of the following faculties regarding revision of courses under Choice Based Credit System (CBCS) be accepted:

Sr. No	Faculty	Courses
1.	Arts	**Department of Punjabi** 1. M.A. Punjabi. **(Annexure-191)** **Department of Hindi** 1. B.A. (Prog.) Hindi. **(Annexure-192)** 2. B.Com. (Prog.) Hindi. **(Annexure-193)** 3. B.A. (Prog.) Prayojanmoolak Hindi. **(Annexure-194)** 4. B.A. (Hons.) Hindi **(Annexure-195)** 5. B.A. (Hons.) Hindi Patrakarita evam Jansanchar. **(Annexure-196)**
2.	Law	1. LL.M. (2year/3year) **(Annexure-197)**

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3.	Science	**Department of Chemistry**
		1. M.Sc. Chemistry (Annexure-198)
		2. B.Sc. (Programme) Life Science (Annexure-200)
		3. B.Sc. (Programme) Physical Science. (Annexure-201)
		4. B.Sc. Applied Life Sciences with Agrochemicals and Pest Management. (Annexure-202)
		5. B.Sc. Analytical Chemistry. (Annexure-203)
		6. B.Sc. Industrial Chemistry. (Annexure-204)
4.	Social Sciences	**Department of Geography**
		1. B.A. (Hons.) Geography and B.A./B.Sc. (Prog.) Geography. (Annexure-205)

(The above Resolution No. 33-1, 33-2, 33-3, 33-4 and 33-5 have been minuted separately also on 21.07.2019).

33-6/ The Council accepted the recommendations of Academic Council to constitute an Oversight Committee for addressing matters related to revision of Courses, if any, and other related matters.

(Four Members dissented)

33-7/ Resolved that B.Sc. (Hons.) Chemistry syllabi be approved, except Skill Enhancement Course (SEC) titled "Reactions, Reagents and Chemical Process" be referred back to the Department of Chemistry for further consideration by the Committee of Courses and Faculty of Science and the revised version of the SEC be then submitted to the 'Oversight Committee' for further necessary action.

33-8/ Syllabi of Undergraduate Courses of Department of English, Department of Sociology, Department of History and Department of Political Science, after incorporating suggestions of the members of the Academic Council by the respective Head of the Departments, were placed on the table. After due deliberations, it was resolved that these syllabi be referred back to the respective Departments for further consideration by the Committee of Courses and respective faculties and the revised version of the syllabi be then submitted to the 'Oversight Committee' for further necessary action.

(Two Members dissented)

33-9/ Resolved that NCTE letter No. NCTE-Reg/011/59/2019-US(Regulation)HQ/79745 dated 20.06.2019 from the Under Secretary, NCTE, Delhi containing NCTE Regulation 2014 and NCTE Amendments Regulations 2017, be accepted (**Annexure-206**).

33-10/ Resolved that proposed Modifications in the Ordinance IX (8) regarding Post-Graduate Courses (M.A./ M.Sc./ M.Com.) governed under the scheme of Examinations of the Choice Based Credit System (CBCS) recommended by the Committee under Co-Chairperson Prof. Kavita Sharma constituted vide University Notification No. Acad.I/Admissions/2018/456 dated 22nd February, 2018 be accepted. It was further resolved that consequential amendments to the relevant Ordinances of the University be made accordingly. (**Annexure-207**)

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33-11/ Resolved that the revised curriculum of the Under-graduate and Post-graduate courses shall also be applicable for School of Open Learning and Non-Collegiate Women Education Board (NCWEB) w.e.f. academic session 2019-2020. Accordingly, the examination scheme for Under-graduate and Post-graduate shall also be applicable to both School of Open Learning and Non-Collegiate Women Education Board. Director, COL, and Chairman, NCWEB, in consultation with Dean (Examination) will work out the modalities about the conduct of examinations in semester mode and present a proposal before the Executive Council.

34/- The Executive Council considered the panel of names duly approved by the Hon'ble Dy. Chief Minister, Govt. of NCT of Delhi for nomination to the Governing Bodies of 28 Govt. of NCT of Delhi Sponsored Colleges of the University of Delhi. The panel received vide letter no. DHE-33(2)/G.B./28/Colleges/2019/2738 dated 28.06.2019 and DHE-33(2)/G.B./28/Colleges/2019/3185-88 dated 18.07.2019 Govt. of NCT of Delhi are placed at **Appendix-III**.

Members noted several discrepancies in the panel of names recommended by the Govt. of NCT (from their list), which are not as per norms and also lacked some details essential for consideration by the Executive Council. It was thus resolved to constitute a Committee to review the panel of names and make appropriate suggestions for communication to the Govt. of NCT to revise the list at the earliest.

35/- **Resolved that the following panel of persons for election of the Treasurer of the University under provision of Statute (11)(J) be approved.**

1. Dr. Subhash Chandra Pandey
2. Shri P.K. Mishra
3. Shri K. Satheesh Babu

(Copies of the CV/Resume are enclosed as Appendix-IV)

36/- The following decision/action taken by the Vice-Chancellor in exercise of his powers/delegated powers vest upon him other than emergency powers in the following matters were reported, recorded and confirmed:

1. Accord of approval on 17.06.2019 to the constitution of the Editorial Board consisting of the following to prepare the 96th Annual Report, (period from 1st April 2018 to 31st March 2019) of the University.

   1. Prof. Pami Dua, Dean Academic Activities & Projects - Chairperson
   2. Prof. Tarun Kumar Das, Registrar
   3. Dr. Payal Mago, Joint Dean Colleges
   4. Prof. Yogendra Singh, Dean Research, Life Sciences
   5. Prof. T. R. Seshadri, Dean Research, Physical & Mathematical Sciences
   6. Prof. Suman Kundu, Department of Biochemistry
   7. Prof. Reetesh Kumar Singh, Dean, Faculty of Commerce
   8. Prof. Sunita Singh Sengupta, Dean, Faculty of Management Studies
   9. Prof. Neera Agnimitra, Head, Department of Social Work
   10. Prof. Arun Jaganath, Department of Botany
   11. Prof. Sanjay Kapoor, Department of Plant Molecular Biology
   12. Prof. Vandana Roy, Dean, Faculty of Medical Sciences

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13. Prof. Ajay Kumar, Department of Mathematics
14. Prof. Nandita Babu, Department of Psychology
15. Prof. Shormishtha Panja, Department of English
16. Dr. Mukesh Mehlawat, Department of Operational Research
17. Dr. Asani Bhaduri, Cluster Innovation Centre
18. Dr. K. Ratnabali, Faculty of Law
19. Capt. Parminder Sehgal, NSS Coordinator
20. Dr. Uma Chaudhry, Bhaskaracharya College of Applied Science
21. Dr. Surinder Kaur, SGTB Khalsa College
22. Dr. Renu Baweja, Shivaji College
23. Dr. Sudhir Sharma, Joint Registrar, Council

2. Accord of approval on 06.07.2019 to the extension of deputation to Dr. Sugata Bag as Visiting Professor of Economics Chair at University of Colombo, Colombo, Sri Lanka for a period of six months i.e. till 13.01.2020.

37/- **Ref.: E.C. Resolution No. 4 (12) dated 28.05.2015**

Resolved that the receipt of letter No. 4-11/2017-CU-II, Government of India, Ministry of Human Resource Development, Department of Higher Education dated 26th June, 2019 received from Sh. P.K. Singh, Under Secretary to the Government of India regarding amendment to Statute 9-B of the Statutes of the University related to the merger of Department of Business Economics and Department of Financial Studies into a single department named as *"Department of Finance and Business Economics"* be reported and recorded. **(Copy of letter is placed at Appendix-V)**

38/- The action taken by the Vice-Chancellor in appointing/ re-appointing/ nominating/ re-nominating, in the following matters were reported, recorded and confirmed:-

38-1/- In appointing the Teacher Representatives on the Governing Bodies of the colleges for a period of one year as per provisions of Ordinance-XVIII of the University. The details are placed at **Appendix-VI**.

38-2/- In appointing/Re-appointing/Extension of term of appointment in respect of Chairman/Chairperson/E.C. Nominee/Special Invitee/Ex-Officio Member/Members of the Governing Bodies of University Maintained Institution/Colleges.

For Governing Body of Dyal Singh College for a period of one year w.e.f. 04.07.2019:

1. Mr. Rajiv Nayan as Chairman
2. Dr. Varun Veer as Member
3. Prof. Shobha Sinha, as Member

38-3/- University Representatives on the Governing Body of the various Colleges for a period of one year as per details placed at **Appendix-VII**.

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Any other item with the permission of Chair.

39/- Serious concern was expressed about the status of the facilities and availability of infrastructure in a few of the Trust Maintained Colleges, and it was pointed out that some of these Trusts do not regularly contribute their mandatory 5% share towards the budget of the college concerned. It is, thus, imperative that any trust that has failed to contribute its share, the process of getting 100% grant-in-aid from the UGC and converting that Trust Maintained College into a University maintained institution may be initiated.

The meeting ended with a vote of thanks to the Chair.

Sd/-	Sd/-
(Prof. Tarun Kumar Das)	**(Prof. Yogesh Kumar Tyagi)**
Registrar – Secretary	Vice-Chancellor – Chairman

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Choice Based Credit System (CBCS)

UNIVERSITY OF DELHI

FACULTY OF INTER-DISCIPLINARY & APPLIED SCIENCES

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
Core Courses, Elective Courses & Ability Enhancement Courses

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Preamble

The University Grants Commission (UGC) has initiated several measures to bring equity, efficiency and excellence in the Higher Education System of country. The important measures taken to enhance academic standards and quality in higher education include innovation and improvements in curriculum, teaching-learning process, examination and evaluation systems, besides governance and other matters.

The UGC has formulated various regulations and guidelines from time to time to improve the higher education system and maintain minimum standards and quality across the Higher Educational Institutions (HEIs) in India. The academic reforms recommended by the UGC in the recent past have led to overall improvement in the higher education system. However, due to lot of diversity in the system of higher education, there are multiple approaches followed by universities towards examination, evaluation and grading system. While the HEIs must have the flexibility and freedom in designing the examination and evaluation methods that best fits the curriculum, syllabi and teaching–learning methods, there is a need to devise a sensible system for awarding the grades based on the performance of students. Presently the performance of the students is reported using the conventional system of marks secured in the examinations or grades or both. The conversion from marks to letter grades and the letter grades used vary widely across the HEIs in the country. This creates difficulty for the academia and the employers to understand and infer the performance of the students graduating from different universities and colleges based on grades.

The grading system is considered to be better than the conventional marks system and hence it has been followed in the top institutions in India and abroad. So it is desirable to introduce uniform grading system. This will facilitate student mobility across institutions within and across countries and also enable potential employers to assess the performance of students. To bring in the desired uniformity, in grading system and method for computing the cumulative grade point average (CGPA) based on the performance of students in the examinations, the UGC has formulated these guidelines.

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CORE COURSE(C): (Credit: 06 each) (1 period/week for tutorials or 4 periods/week for practical)

I. Basic Circuit Theory and Network Analysis (4+4)
II. Mathematics Foundation for Electronics (4+4)
III. Semiconductor Devices (4+4)
IV. Applied Physics (4+4)
V. Electronic Circuits (4+4)
VI. Digital Electronics and VHDL (4+4)
VII. C Programming and Data Structures (4+4)
VIII. Operational Amplifiers and Applications (4+4)
IX. Signals and Systems (4+4)
X. Electronic Instrumentation (4+4)
XI. Microprocessors and Microcontrollers (4+4)
XII. Electromagnetics (4+4)
XIII. Communication Electronics (4+4)
XIV. Photonics (4+4)

NOTE: Core Courses No. I, VI and VIII are common with B.Sc. (Hons) Instrmentation

Discipline Specific Electives (DSE): (Credit: 06 each) (4 papers to be selected) - DSE 1-4

1. Power Electronics (4+4)
2. Numerical Analysis (4+4)
3. Modern Communication Systems (4+4)
4. Semiconductor Fabrication and Characterization (4+4)
5. Electrical Machines (4+4)
6. Basic VLSI Design (4+4)
7. Digital Signal Processing (4+4)
8. Control Systems (4+4)
9. Computer Networks (4+4)
10. Embedded Systems (4+4)
11. Biomedical Instrumentation (4+4)
12. Transmission Lines, Antenna and Wave Propagation (4+4)
13. Dissertation (4+4)

Skill Enhancement Course (SEC) (02 papers) (Credit: 02 each) - SEC1 to SEC2

1. Design and Fabrication of Printed Circuit Boards (4)
2. Robotics (4)
3. Mobile Applications Development (4)
4. Internet and Java Programming (4)
5. Programming with LabVIEW (4)

Other Discipline - GE 1 to GE 4

1. Mathematics
2. Computer Science
3. Physics
4. Biomedical Science
5. Chemistry
6. Commerce

Any other discipline of Choice

Generic Elective Papers (GE) for other Departments/Disciplines: (Credit: 06 each)

1. Electronic Circuits and PCB Designing (4+4)
2. Digital System Design (4+4)
3. Instrumentation (4+4)
4. Practical Electronics (4+4)
5. Communication Systems (4+4)
6. Microprocessor and Microcontroller Systems (4+4)
7. Consumer Electronics (4+4)

Important:

1. The size of the practical group for practical papers is recommended to be 12-15 students.

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Choice Based Credit System (CBCS)

UNIVERSITY OF DELHI

FACULTY OF SCIENCE

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
Core Courses, Elective Courses & Ability Enhancement Courses

Disclaimer: The CBCS syllabus is uploaded as given by the Faculty concerned to the Academic Council. The same has been approved as it is by the Academic Council on 13.7.2015 and Executive Council on 14.7.2015. Any query may kindly be addressed to the concerned Faculty.

Undergraduate Programme Secretariat

Preamble

The University Grants Commission (UGC) has initiated several measures to bring equity, efficiency and excellence in the Higher Education System of country. The important measures taken to enhance academic standards and quality in higher education include innovation and improvements in curriculum, teaching-learning process, examination and evaluation systems, besides governance and other matters.

The UGC has formulated various regulations and guidelines from time to time to improve the higher education system and maintain minimum standards and quality across the Higher Educational Institutions (HEIs) in India. The academic reforms recommended by the UGC in the recent past have led to overall improvement in the higher education system. However, due to lot of diversity in the system of higher education, there are multiple approaches followed by universities towards examination, evaluation and grading system. While the HEIs must have the flexibility and freedom in designing the examination and evaluation methods that best fits the curriculum, syllabi and teaching-learning methods, there is a need to devise a sensible system for awarding the grades based on the performance of students. Presently the performance of the students is reported using the conventional system of marks secured in the examinations or grades or both. The conversion from marks to letter grades and the letter grades used vary widely across the HEIs in the country. This creates difficulty for the academia and the employers to understand and infer the performance of the students graduating from different universities and colleges based on grades.

The grading system is considered to be better than the conventional marks system and hence it has been followed in the top institutions in India and abroad. So it is desirable to introduce uniform grading system. This will facilitate student mobility across institutions within and across countries and also enable potential employers to assess the performance of students. To bring in the desired uniformity, in grading system and method for computing the cumulative grade point average (CGPA) based on the performance of students in the examinations, the UGC has formulated these guidelines.

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CHOICE BASED CREDIT SYSTEM (CBCS):

The CBCS provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill based courses. The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Therefore, it is necessary to introduce uniform grading system in the entire higher education in India. This will benefit the students to move across institutions within India to begin with and across countries. The uniform grading system will also enable potential employers in assessing the performance of the candidates. In order to bring uniformity in evaluation system and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations, the UGC has formulated the guidelines to be followed.

Outline of Choice Based Credit System:

1. **Core Course:** A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.
2. **Elective Course:** Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.
    2.1 **Discipline Specific Elective (DSE) Course**: Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study).
    2.2 **Dissertation/Project**: An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called dissertation/project.
    2.3 **Generic Elective (GE) Course**: An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.
    P.S.: A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.
3. **Ability Enhancement Courses (AEC)/Competency Improvement Courses/Skill Development Courses/Foundation Course:** The Ability Enhancement (AE) Courses may be of two kinds: AE Compulsory Course (AECC) and AE Elective Course (AEEC). "AECC" courses are the courses based upon the content that leads to Knowledge enhancement. They ((i) Environmental Science, (ii) English/MIL Communication) are mandatory for all disciplines. AEEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc.
    3.1 AE Compulsory Course (AECC): Environmental Science, English Communication/MIL Communication.
    3.2 AE Elective Course (AEEC): These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based instruction.

Project work/Dissertation is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A Project/Dissertation work would be of 6 credits. A Project/Dissertation work may be given in lieu of a discipline specific elective paper.

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Details of courses under B.A (Honors), B.Com (Honors) & B.Sc. (Honors)

Course	*Credits	
	Theory+ Practical	Theory + Tutorial

I. Core Course

(14 Papers) — 14X4= 56 — 14X5=70

Core Course Practical / Tutorial*

(14 Papers) — 14X2=28 — 14X1=14

II. Elective Course

(8 Papers)

A.1. Discipline Specific Elective — 4X4=16 — 4X5=20

(4 Papers)

A.2. Discipline Specific Elective

    Practical/ Tutorial* — 4 X 2=8 — 4X1=4

(4 Papers)

B.1. Generic Elective/

    Interdisciplinary — 4X4=16 — 4X5=20

(4 Papers)

B.2. Generic Elective

    Practical/ Tutorial* — 4 X 2=8 — 4X1=4

(4 Papers)

- **Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses

1. **Ability Enhancement Compulsory**

(2 Papers of 2 credit each) — 2 X 2=4 — 2 X 2=4

    Environmental Science

    English/MIL Communication

2. **Ability Enhancement Elective** (Skill Based)

    (Minimum 2) — 2 X 2=4 — 2 X 2=4

(2 Papers of 2 credit each)

Total credit	**140**	**140**

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

* **wherever there is a practical there will be no tutorial and vice-versa**

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Course Structure (Chemistry-Major)

Details of courses under B.Sc. (Honours)

Course   Theory+ Practical **Credits**

==

I. Core Course Theory
   (14 Papers) $14 \times 4 = 56$
Core Course Practical
   (14 Papers) $14 \times 2 = 28$
                                          Total: 84

II. Elective Course
(8 Papers)
   A. 1. Discipline Specific Elective (DSE) Theory
   (4 Papers) $4 \times 4 = 16$

   A. 2. Discipline Specific Elective (DSE) Practical
   (4 Papers) $4 \times 2 = 8$

   B. 1. Generic Elective (GE)/ Interdisciplinary Theory
   (4 Papers) $4 \times 4 = 16$
                                                       $4 \times 5 = 20$
   B. 2. Generic Elective (GE) Practical/Tutorial*
   (4 Papers) $4 \times 2 = 8$
                                                       $4 \times 1 = 4$
                                          Total: 48

Optional Dissertation or project work in place of one Discipline Specific Elective Paper. (6 credits) in 6th Semester

III. Ability Enhancement Courses
(4 Papers)
   1. Ability Enhancement Compulsory
   (2 Papers of 2 credits each)
   Environmental Science
   English/MIL Communication $2 \times 2 = 4$
   2. Ability Enhancement Elective (Skill Based)
   (2 Papers of 2 credits each)
   (Minimum 2) $2 \times 2 = 4$
                                          Total: 08

Total credit   140
* Wherever there is a practical there will be no tutorial and vice-versa

SEMESTER	COURSE OPTED	COURSE NAME	Credits
I	AEC-I Compulsory	English Communications/ Environmental Science	2
	Core Course-I	Inorganic Chemistry-I	4
	Core Course-I Practical	Inorganic Chemistry-I Lab	2
	Core Course-II	Physical Chemistry-I	4
	Core Course-II Practical	Physical Chemistry-I Lab	2
	Generic Elective -1 GE-1		4/5
	Generic Elective -1 Practical/Tutorial		2/1
II	AEC-II Compulsory	Environmental Science English Communications	2
	Core Course-III	Organic Chemistry-I	4
	Core Course-III Practical	Organic Chemistry-I Lab	2
	Core Course-IV	Physical Chemistry-II	4
	Core Course-IV Practical	Physical Chemistry-II Lab	2
	Generic Elective -2 GE-2		4/5
	Generic Elective -2 Practical/Tutorial		2/1
III	Core Course-V	Inorganic Chemistry-II	4
	Core Course-V Practical	Inorganic Chemistry-II Lab	2
	Core Course-VI	Organic Chemistry-II	4
	Core Course-VI Practical	Organic Chemistry-II Lab	2
	Core Course-VII	Physical Chemistry-III	4
	Core Course-VII Practical	Physical Chemistry-III Lab	2
	Skill Enhancement Course -1 SEC-1		2
	Generic Elective -3	GE-3	4/5
	Generic Elective -3	Practical/Tutorial	2/1
IV	Core Course-VIII	Inorganic Chemistry-III	4
	Course-VIII Practical	Inorganic Chemistry-III Lab	2
	Core Course-IX	Organic Chemistry-III	4
	Course-IX Practical	Organic Chemistry-III Lab	2
	Core Course-X	Physical Chemistry-IV	4
	Course-X Practical	Physical Chemistry-IV Lab	2

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	Skill Enhancement Course -2 SEC -2		2
	Generic Elective -4	GE-4	4/5
	Generic Elective -4	Practical	2/1

V	Core Course-XI	Organic Chemistry-IV	4
	Core Course-XI Practical	Organic Chemistry-IV Lab	2
	Core Course-XII	Physical Chemistry-V	4
	Core Course-XII Practical	Physical Chemistry-V Lab	2
	Discipline Specific Elective -1 DSE-1		4
	Discipline Specific Elective -1		
	Practical/TutoriaL	DSE-1 Lab	2
	Discipline Specific Elective -2 DSE-2		4
	Discipline Specific Elective- 2		
	Practical/Tutorial	DSE-2 Lab	2

VI	Core Course-XIII	Inorganic Chemistry-IV	4
	Core Course-XIII Practical	Inorganic Chemistry-IV Lab	2
	Core Course-XIV	Organic Chemistry-V	4
	Core Course-XIV Practical	Organic Chemistry-V Lab	2
	Discipline Specific Elective -3 DSE-3		4
	Discipline Specific Elective -3		
	Practical/Tutorial	DSE-3 Lab	2
	Discipline Specific Elective-4 DSE-4		4
	Discipline Specific Elective -4		
	Practical/Tutorial	DSE-4 Lab	2

Total Credits   **140**

Core Papers (C): (Credit: 06 each)
(4 Lectures/week for Theory and 4 Periods/week for practical)

1. Inorganic Chemistry I: Atomic Structure & Chemical Bonding (4 + 4)
2. Physical Chemistry I: States of Matter & Ionic Equilibrium (4 + 4)
3. Organic Chemistry I: Basics and Hydrocarbons (4 + 4)
4. Physical Chemistry II: Chemical Thermodynamics and its Applications (4 + 4)
5. Inorganic Chemistry II: s- and p-Block Elements (4 + 4)
6. Organic Chemistry II: Oxygen Containing Functional Groups (4 + 4)
7. Physical Chemistry III: Phase Equilibria and Electrochemical Cells (4 + 4)
8. Inorganic Chemistry III: Coordination Chemistry (4 + 4)

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9. Organic Chemistry III:	Heterocyclic Chemistry (4 + 4)
10. Physical Chemistry IV:	Conductance & Chemical Kinetics (4 + 4)
11. Organic Chemistry IV:	Biomolecules (4 + 4)
12. Physical Chemistry V:	Quantum Chemistry & Spectroscopy (4 + 4)
13. Inorganic Chemistry IV:	Organometallic Chemistry (4 + 4)
14. Organic Chemistry V:	Spectroscopy (4 + 4)

Discipline Specific Elective Papers: (Credit: 06 each) (4 papers to be selected)- DSE 1-4

DSE 1: Any one of the following
1. Novel Inorganic Solids (4) + Lab (4)
2. Inorganic Materials of Industrial Importance (4) + Lab (4)

DSE 2-4: Choose any three of the following
1. Applications of Computers in Chemistry (4) + Lab (4)
2. Analytical Methods in Chemistry (4) + Lab (4)
3. Molecular Modelling & Drug Design (4) + Lab (4)
4. Polymer Chemistry (4) + Lab (4)
5. Research Methodology for Chemistry (5) + Tutorials (1)
6. Green Chemistry (4) + Lab (4)
7. Industrial Chemicals & Environment (4) + Lab (4)
8. Instrumental Methods of Analysis (4) + Lab (4)
9. Dissertation

Other Discipline (Four papers of any one discipline)- GE 1 to GE 4
1. Mathematics (5) + Tut (1)
2. Physics (4) + Lab (4)
3. Economics (5) + Tut (1)
4. Computer Science (4) + Lab (4)

Skill Enhancement Courses (02 to 04 papers) (Credit: 02 each)- SEC1 to SEC4 (Emphasis should be given to Hands on Exercises) (Hands on except for papers 3, 5 and 6)

1. IT Skills for Chemists
2. Basic Analytical Chemistry
3. Chemical Technology & Society
4. Chemoinformatics
5. Business Skills for Chemists
6. Intellectual Property Rights
7. Analytical Clinical Biochemistry
8. Green Methods in Chemistry
9. Pharmaceutical Chemistry
10. Chemistry of Cosmetics & Perfumes
11. Pesticide Chemistry
12. Fuel Chemistry

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Generic Elective Papers (GE) (Minor-Chemistry) (any four) for other Departments/Disciplines: (Credit: 06 each)

1. Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons (4) + Lab (4)
2. Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I (4) + Lab (4)
3. Solutions, Phase Equilibrium, Conductance, Electrochemistry & Functional Group Organic Chemistry-II (4) + Lab (4)
4. Chemistry of s- and p-block elements, States of matter and Chemical Kinetics (4) + Lab (4).
5. Chemistry of d-block elements, Quantum Chemistry and Spectroscopy (4) + Lab (4)
6. Organometallics, Bioinorganic chemistry, Polynuclear hydrocarbons and UV, IR Spectroscopy (4) + Lab (4)
7. Molecules of life (4) + Lab (4).

At least two mathematics papers are compulsory for admission for MSc Chemistry in Delhi University.
Discipline (Two Mathematics papers compulsory, two papers of one other discipline may be selected)- GE 1 to GE

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B.Sc. (Honours) Botany under CBCS

THREE-YEAR FULL-TIME PROGRMME

Choice based credit system

(Six Semester Course)

COURSE CONTENTS

APPROVED IN THE COMMITTEE OF COURSES HELD ON JUNE 9, 2015

Preamble

The B.Sc. (Hons.) Botany is presently being run in different colleges of the University of Delhi It was converted from annual system to six-semester mode course in 2009. A new system, **Choice Based Credit System (CBCS)** in being introduced based on the recommendation of University Grant Commission (UGC) to create uniformity in teaching at various central universities and to facilitate seamless mobility of students across universities based on the credits. This credit based semester system will provide flexibility in designing curriculum and assigning credits based on the course contents and number of hours of teaching. In this system students have the option to take courses of their choice, learn at their own pace, take additional courses and acquire more than the required credits, making it an interdisciplinary approach of learning. This new syllabus was been prepared keeping in view the unique requirements of B.Sc. (Hons.) Botany students. The contents have been drawn to accommodate the widening horizons of the Botany discipline and reflect the changing needs of the students. The semester wise course distribution and detailed syllabus for each paper is appended with a list of suggested reading.

Under this system, there will be 14 core course paper (C1 to C14). These are compulsory to be studied by a student to complete the requirement of B.Sc. (Hons.) Botany programme. The students will study two core papers per semester in first year, three core paper per semester in the second year and two core papers per semester in the third year. The core papers (6 credits each) will comprise of theory (4 credits) and practicals (2 credits). Each practical batch will be of 15 students. A number exceeding 15 (at least ten) will be divided into equal batches.

Elective courses can be chosen from a pool of papers. There are two kinds of electives:
a) **Discipline Specific Elective (DSE):** There are nine such papers (DSE:1-9). out of which Botany student will choose any two in fifth and sixth semester each. The Discipline specific elective papers (6 credits each) will comprise of theory (4 credits) and practicals (2 credits) like the core papers. A particular option of DSE paper will be offered in V and VI semester, only if the minimum number of students opting for that paper is 10. One of the elective in DSE is project work which can be opted in lieu of one of the elective and will also carry 6 credits. Number of students who will be offered project work will vary from for college depending upon
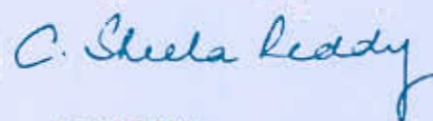
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the infrastructural facilities and may vary each year. The college shall announce the number of seats for project work well in advance and may select the students for the same based on merit. Project will involve experimental work and the student will have to do this in the time after their regular theory and practical classes. The final evaluation of the project work will be through a committee involving internal and external examiners. In this regard guidelines provided by University of Delhi for executing and evaluation of project work will be final. Students will be asked their choice for Project work at the end of IV semester and all formalities of topic and mentor selection will be completed by this time.

b) Generic Elective (GE) : Different generic elective papers will be offered to students of other departments of the college and the student will have the option to choose one generic elective paper each in the first four semesters. The generic elective will be of six credits each. The Department of Botany is offering eight generic elective papers (GE: 1-8) for students of other departments. These generic elective papers (6 credits each) will comprise of theory (4 credits) and practicals (2 credits).

Besides the core and elective courses, there are two ability enhancement compulsory courses, AE-1 (Environmental Sciences) and AE-2 (English Communication) of two credits each. The student is supposed to take one in each semester of the first year.

The students will also undertake two skill Enhancement (SE) courses of two credits each in III and IV semesters of second year which they can choose from the list of SE courses offered by their college. The Department of Botany is offering seven such papers (SE: 1-7).

In the CBCS system, a credit is unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week. A minimum of 140 credits are required to obtain degree in B.Sc. (Hons.) Botany.

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SEMESTER	COURSE OPTED	COURSE: NAME	Credits
I	Ability Enhancement Compulsory Course-I	English /MIL Communications/ Environmental Science	2
	Core Course-I	Microbiology and Phycology	4
	Core Course-I **Practical**	Microbiology and Phycology- Practical	2
	Core Course-II	Biomolecules and Cell Biology	4
	Core Course-II **Practical**	Biomolecules and Cell Biology-Practical	2
	Generic Elective-I	GE-I (Any one) 1.Biodiversity (Microbes, Algae, Fungi and Archegoniatae) 2. Plant Diversity and Human Welfare	4
	Generic Elective-I **Practical/Tutorial**	GE-I- Practical	2
II	Ability Enhancement Compulsory Course-II	English /MIL Communications/Environmental Science	2
	Core Course-III	Mycology and Phytopathology	4
	Core Course-III **Practical**	Mycology and Phytopathology- Practical	2
	Core Course-IV	Archegoniatae	4
	Core Course-IV **Practical**	Archegoniatae- Practical	2
	Generic Elective-II	GE-II 3. Plant Anatomy and Embryology	4
	Generic Elective-II **Practical**	GE-II – Practical	2
III	Core Course-V	Anatomy of Angiosperms	4
	Core Course-V **Practical**	Anatomy of Angiosperms- Practical	2
	Core Course-VI	Economic Botany	4
	Core Course-VI **Practical**	Economic Botany –Practical	2
	Core Course-VII	Genetics	4
	Core Course-VII **Practical**	Genetics-Practical	2
	Skill Enhancement Course-I	SEC-I (Any one) 1. Ethnobotany 2. Intellectual Property Rights	2
	Generic Elective-III	GE-III (Any one) 4. Plant Ecology and Taxonomy	4

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		5. Environmental Biotechnology	
	Generic Elective-III **Practical**	GE-III -Practical	2
IV	Core Course-VIII	Molecular Biology	4
	Core Course-VIII **Practical**	Molecular Biology – Practical	2
	Core Course-IX	Ecology	4
	Core Course-IX **Practical**	Ecology – Practical	2
	Core Course-X	Plant Systematics	4
	Core Course-X **Practical**	Plant Systematics- Practical	2
	Skill Enhancement Course- II	SEC-II (Any one) 3. Biofertilizers 4.Medicinal Botany	2
	Generic Elective-IV	GE-IV Economic Botany and Biotechnology	4
	Generic Elective-IV **Practical**	GE-IV - Practical	2
V	Core Course-XI	Reproductive Biology of Angiosperms	4
	Core Course-XI **Practical**	Reproductive Biology of Angiosperms - Practical	2
	Core Course-XII	Plant Physiology	4
	Core Course-XII **Practical**	Plant Physiology- Practical	2
	Discipline Specific Elective-I	DSE-I Analytical Techniques in Plant Science	4
	Discipline Specific Elective-I **Practical**	DSE-I- Practical	2
	Discipline Specific Elective-II	DSE-II Biostatistics	4
	Discipline Specific Elective-II **Practical/Tutorial**	DSE-II – Practical	2
VI	Core Course-XIII	Plant Metabolism	4
	Core Course-XIII **Practical/Tutorial**	Plant Metabolism- Practical	2
	Core Course-XIV	Plant Biotechnology	4
	Core Course-XIV **Practical/ Tutorial**	Plant Biotechnology- Practical	2
	Discipline Specific Elective-III	DSE-III Industrial and Environmental Microbiology	4
	Discipline Specific Elective-III **Practical**	DSE-III- Practical	2

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	Discipline Specific Elective-IV	DSE-IV Bioinformatics	4
	Discipline Specific Elective-IV **Practical/Tutorial**	DSE-IV Bioinformatics- Practical	2
Total			140

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Structure of B.Sc. (Hons) Biological Science under CBCS

Core Course

BS-C1: Chemistry
BS-C2: Light and Life
BS-C3: Biophysics
BS-C4: Biodiversity
BS-C5: Proteins and Enzymes
BS-C6: Concepts in Cell Biology
BS-C7: Functional Ecology
BS-C8: Systems Physiology
BS-C9: Concepts of Molecular Biology
BS-C10: Metabolism and Integration
BS-C11: Growth and Reproduction
BS-C12: Fundamentals of Genetics
BS-C13: Defense Mechanisms
BS-C14: Concepts of Evolutionary Biology

Discipline Specific Elective (*Any four*)

DSE-1: Analytical Techniques in Plant Sciences
DSE-2: Stress Biology
DSE-3: Natural Resource management
DSE-4: Wild Life Conservation
DSE-5: Animal Behavior and Chronobiology
DSE-6: Endocrinology
DSE-7: Biomaterials
DSE-8: Microbiology
DSE- 9: Plant Biochemistry

Ability Enhancement Compulsory Course

AE-1: English communication
AE-2: Environmental science

Skill Enhancement Elective Courses (*Any two*)

SEC-1: Medicinal Botany
SEC-2: Bio fertilizers
SEC-3: Medical Diagnostics
SEC-4: Public Health and Management
SEC-5: Biochemical Techniques
SEC-6: Recombinant DNA Technology

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B.Sc. (HONOURS) BIOLOGICAL SCIENCES
CORE COURSES

S.No.	Code	Title
1	BS-C1	Chemistry
2	BS-C2	Light and Life
3	BS-C3	Biophysics
4	BS-C4	Biodiversity
5	BS-C5	Proteins and Enzymes
6	BS-C6	Concepts in Cell Biology
7	BS-C7	Functional Ecology
8	BS-C8	Systems Physiology
9	BS-C9	Concepts of Molecular Biology
10	BS-C10	Metabolism and Integration
11	BS-C11	Growth and Reproduction
12	BS-C12	Genetics
13	BS-C13	Defense Mechanisms
14	BS-C14	Evolutionary Biology

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SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.Sc. BIOLOGICAL SCIENCE HONOURS

Semester	Core Courses (14)	Ability Enhancement Compulsory Course (2)	Skill Enhancement Course (SEC) (2)	Discipline specific elective (DSE (4)	Generic Elective (GE) (4)
I	Chemistry	English communication			GE-1
	Light and Life				
II	Biophysics	Environmental Science			GE-2
	Biodiversity				
III	Proteins and enzymes		SEC-1		GE-3
	Concepts in Cell Biology				
	Functional Ecology				
IV	Systems Physiology		SEC-2		GE-4
	Concepts of Molecular Biology				
	Metabolism and Integration				
V	Growth and Reproduction			DSE-1 DSE-2	
	Fundamentals of Genetics				
VI	Defense Mechanisms			DSE-3 DSE-4	
	Concepts of Evolutionary Biology				

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SEMESTER	COURSE OPTED	COURSE NAME	CREDITS
I	Ability Enhancement Compulsory Course – I	English communication / Environmental Science	2
	Core course – I	Chemistry	4
	Core course – I Practical	Chemistry	2
	Core course – II	Light and Life	4
	Core course – II Practical	Light and Life	2
	Generic Elective – 1	GE – 1	4
	Generic Elective – 1 Practical	GE – 1	2
II	Ability Enhancement Compulsory Course – II	English communications/ Environmental Science	2
	Core course – III	Biophysics	4
	Core course – III Practical	Biophysics	2
	Core course – IV	Biodiversity	4
	Core course – IV Practical	Biodiversity	2
	Generic Elective – 2	GE-2	4
	Generic Elective – 2 Practical	GE-2	2
III	Core course – V	Proteins and Enzymes	4
	Core course – V Practical	Proteins and Enzymes	2
	Core course – VI	Concepts in Cell Biology	4
	Core course – VI Practical	Concepts in Cell Biology	2
	Core course – VII	Functional Ecology	4
	Core course – VII Practical	Functional Ecology	2

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		Skill Enhancement Course – 1	SEC-1	4
		Generic Elective – 3	GE-3	4
		Generic Elective – 3 Practical	GE-3	2
IV		Core course – VIII	Systems Physiology	4
		Core course – VIII Practical	Systems Physiology	2
		Core course – IX	Concepts of Molecular Biology	4
		Core course – IX Practical	Concepts of Molecular Biology	2
		Core course – X	Metabolism and Integration	4
		Core course – X Practical	Metabolism and Integration	2
		Skill Enhancement Course-2	SEC-2	4
		Generic Elective – 4	GE-4	4
		Generic Elective – 4 Practical	GE-4	2
V		Core course – XI	Growth and Reproduction	4
		Core course – XI Practical	Growth and Reproduction	2
		Core course – XII	Fundamentals of Genetics	4
		Core course – XII Practical	Fundamentals of Genetics	2
		Discipline Specific Elective – 1	DSE-1	4
		Discipline Specific Elective – 1 Practical	DSE-1	2
		Discipline Specific Elective – 2	DSE-2	4
		Discipline Specific Elective – 2 Practical	DSE-2	2
VI		Core course – XIII	Defense Mechanisms	4

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	Core course – XIII Practical	Defense Mechanisms	2
	Core course – XIV	Concepts of Evolutionary Biology	4
	Core course – XIV Practical	Concepts of Evolutionary Biology	2
	Discipline Centric Elective – 3	DSE-3	4
	Discipline Centric Elective – 3 Practical	DSE-3	2
	Discipline Centric Elective – 4	DSE-4	4
	Discipline Centric Elective – 4 Practical	DSE-4	2

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Choice Based Credit System (CBCS)

UNIVERSITY OF DELHI

FACULTY OF INTER-DISCIPLINARY & APPLIED SCIENCES

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
Core Courses, Elective Courses & Ability Enhancement Courses

Disclaimer: The CBCS syllabus is uploaded as given by the Faculty concerned to the Academic Council. The same has been approved as it is by the Academic Council on 13.7.2015 and Executive Council on 14.7.2015. Any query may kindly be addressed to the concerned Faculty.

Undergraduate Programme Secretariat

Preamble

The University Grants Commission (UGC) has initiated several measures to bring equity, efficiency and excellence in the Higher Education System of country. The important measures taken to enhance academic standards and quality in higher education include innovation and improvements in curriculum, teaching-learning process, examination and evaluation systems, besides governance and other matters.

The UGC has formulated various regulations and guidelines from time to time to improve the higher education system and maintain minimum standards and quality across the Higher Educational Institutions (HEIs) in India. The academic reforms recommended by the UGC in the recent past have led to overall improvement in the higher education system. However, due to lot of diversity in the system of higher education, there are multiple approaches followed by universities towards examination, evaluation and grading system. While the HEIs must have the flexibility and freedom in designing the examination and evaluation methods that best fits the curriculum, syllabi and teaching–learning methods, there is a need to devise a sensible system for awarding the grades based on the performance of students. Presently the performance of the students is reported using the conventional system of marks secured in the examinations or grades or both. The conversion from marks to letter grades and the letter grades used vary widely across the HEIs in the country. This creates difficulty for the academia and the employers to understand and infer the performance of the students graduating from different universities and colleges based on grades.

The grading system is considered to be better than the conventional marks system and hence it has been followed in the top institutions in India and abroad. So it is desirable to introduce uniform grading system. This will facilitate student mobility across institutions within and across countries and also enable potential employers to assess the performance of students. To bring in the desired uniformity, in grading system and method for computing the cumulative grade point average (CGPA) based on the performance of students in the examinations, the UGC has formulated these guidelines.

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CHOICE BASED CREDIT SYSTEM (CBCS):

The CBCS provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill based courses. The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Therefore, it is necessary to introduce uniform grading system in the entire higher education in India. This will benefit the students to move across institutions within India to begin with and across countries. The uniform grading system will also enable potential employers in assessing the performance of the candidates. In order to bring uniformity in evaluation system and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations, the UGC has formulated the guidelines to be followed.

Outline of Choice Based Credit System:

1. **Core Course:** A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.
2. **Elective Course:** Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.
   2.1 **Discipline Specific Elective (DSE) Course**: Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study).
   2.2 **Dissertation/Project**: An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called dissertation/project.
   2.3 **Generic Elective (GE) Course**: An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.
      P.S.: A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.
3. **Ability Enhancement Courses (AEC)/Competency Improvement Courses/Skill Development Courses/Foundation Course:** The Ability Enhancement (AE) Courses may be of two kinds: AE Compulsory Course (AECC) and AE Elective Course (AEEC). "AECC" courses are the courses based upon the content that leads to Knowledge enhancement. They ((i) Environmental Science, (ii) English/MIL Communication) are mandatory for all disciplines. AEEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc.
   3.1 AE Compulsory Course (AECC): Environmental Science, English Communication/MIL Communication.
   3.2 AE Elective Course (AEEC): These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based instruction.

Project work/Dissertation is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A Project/Dissertation work would be of 6 credits. A Project/Dissertation work may be given in lieu of a discipline specific elective paper.

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Details of courses under B.A (Honors), B.Com (Honors) & B.Sc. (Honors)

Course	*Credits	
	Theory+ Practical	Theory + Tutorial

I. Core Course

(14 Papers)   14X4= 56   14X5=70

Core Course Practical / Tutorial*

(14 Papers)   14X2=28   14X1=14

II. Elective Course

(8 Papers)

A.1. Discipline Specific Elective   4X4=16   4X5=20

(4 Papers)

A.2. Discipline Specific Elective

Practical/ Tutorial*   4 X 2=8   4X1=4

(4 Papers)

B.1. Generic Elective/

Interdisciplinary   4X4=16   4X5=20

(4 Papers)

B.2. Generic Elective

Practical/ Tutorial*   4 X 2=8   4X1=4

(4 Papers)

- **Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses

1. Ability Enhancement Compulsory

(2 Papers of 2 credit each)   2 X 2=4   2 X 2=4

    Environmental Science

    English/MIL Communication

2. Ability Enhancement Elective (Skill Based)

    (Minimum 2)   2 X 2=4   2 X 2=4

(2 Papers of 2 credit each)

Total credit	**140**	**140**

Institute   should   evolve   a   system/policy   about   ECA/   General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

* wherever there is a practical there will be no tutorial and vice-versa

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Structure of B.Sc. (Honours) Biochemistry under CBCS

Core Course

BCH C-1:	Molecules of Life
BCH C-2:	Cell Biology
BCH C-3:	Proteins
BCH C-4:	Enzymes
BCH C-5:	Metabolism of Carbohydrates and Lipids
BCH C-6:	Membrane Biology and Bioenergetics
BCH C-7:	Hormone: Biochemistry and Function
BCH C-8:	Human Physiology
BCH C-9:	Gene Organization, Replication and Repair
BCH C-10:	Metabolism of Amino Acids and Nucleotides
BCH C-11:	Concepts in Genetics
BCH C-12:	Gene Expression and Regulation
BCH C-13:	Genetic Engineering and Biotechnology
BCH C-14:	Immunology

Discipline Specific Elective (*Any four*)

BCH DSE-1:	Nutritional Biochemistry
BCH DSE-2:	Research Methodology
BCH DSE-3:	Molecular basis of non-infectious human diseases
BCH DSE-4:	Molecular basis of infectious diseases
BCH DSE-5:	Research Project
BCH DSE-6:	Advanced cell biology
BCH DSE-7:	Plant Biochemistry
BCH DSE-8:	Basic Microbiology

Generic Elective (*Any four*)

BCH GE-1:	Biochemistry of Cell
BCH GE-2:	Proteins and Enzymes
BCH GE-3:	Intermediary Metabolism
BCH GE-4:	Gene Organization, Expression and Regulation
BCH GE-5:	Fundamentals of Cell Biology and Immunology
BCH GE-6:	Fundamentals of Genetic Engineering
BCH GE-7:	Biochemical Correlations in Diseases

Ability Enhancement Compulsory Course

AECC-1:	English communication
AECC-2:	Environmental science

Skill Enhancement Elective Course (*Any two*)

BCH SEC-1:	Tools and Techniques in Biochemistry
BCH SEC-2:	Protein Purification Techniques
BCH SEC-3:	Clinical Biochemistry
BCH SEC-4:	Bioinformatics
BCH SEC-5:	Recombinant DNA Technology

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3

Choice Based Credit System (CBCS)

UNIVERSITY OF DELHI

FACULTY OF SCIENCE

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
Core Courses, Elective Courses & Ability Enhancement Courses

PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

Preamble

The University Grants Commission (UGC) has initiated several measures to bring equity, efficiency and excellence in the Higher Education System of country. The important measures taken to enhance academic standards and quality in higher education include innovation and improvements in curriculum, teaching-learning process, examination and evaluation systems, besides governance and other matters.

The UGC has formulated various regulations and guidelines from time to time to improve the higher education system and maintain minimum standards and quality across the Higher Educational Institutions (HEIs) in India. The academic reforms recommended by the UGC in the recent past have led to overall improvement in the higher education system. However, due to lot of diversity in the system of higher education, there are multiple approaches followed by universities towards examination, evaluation and grading system. While the HEIs must have the flexibility and freedom in designing the examination and evaluation methods that best fits the curriculum, syllabi and teaching–learning methods, there is a need to devise a sensible system for awarding the grades based on the performance of students. Presently the performance of the students is reported using the conventional system of marks secured in the examinations or grades or both. The conversion from marks to letter grades and the letter grades used vary widely across the HEIs in the country. This creates difficulty for the academia and the employers to understand and infer the performance of the students graduating from different universities and colleges based on grades.

The grading system is considered to be better than the conventional marks system and hence it has been followed in the top institutions in India and abroad. So it is desirable to introduce uniform grading system. This will facilitate student mobility across institutions within and across countries and also enable potential employers to assess the performance of students. To bring in the desired uniformity, in grading system and method for computing the cumulative grade point average (CGPA) based on the performance of students in the examinations, the UGC has formulated these guidelines.

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CHOICE BASED CREDIT SYSTEM (CBCS):

The CBCS provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill based courses. The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Therefore, it is necessary to introduce uniform grading system in the entire higher education in India. This will benefit the students to move across institutions within India to begin with and across countries. The uniform grading system will also enable potential employers in assessing the performance of the candidates. In order to bring uniformity in evaluation system and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations, the UGC has formulated the guidelines to be followed.

Outline of Choice Based Credit System:

1. **Core Course:** A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.
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    2.1 Discipline Specific Elective (DSE) Course: Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study).

    2.2 Dissertation/Project: An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called dissertation/project.

    2.3 Generic Elective (GE) Course: An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.

    P.S.: A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.

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Project work/Dissertation is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A Project/Dissertation work would be of 6 credits. A Project/Dissertation work may be given in lieu of a discipline specific elective paper.

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Details of Courses Under Undergraduate Programme (B.Sc.)

Course	*Credits	
	Theory+ Practical	Theory+Tutorials

I. Core Course   12X4= 48   12X5=60

(12 Papers)

04 Courses from each of the

03 disciplines of choice

Core Course Practical / Tutorial*   12X2=24   12X1=12

(12 Practical/ Tutorials*)

04 Courses from each of the

03 Disciplines of choice

II. Elective Course   6x4=24   6X5=30

(6 Papers)

Two papers from each discipline of choice

including paper of interdisciplinary nature.

Elective Course Practical / Tutorials*   6 X 2=12   6X1=6

(6 Practical / Tutorials*)

Two Papers from each discipline of choice

including paper of interdisciplinary nature

- **Optional Dissertation or project work in place of one Discipline elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses

1. **Ability Enhancement Compulsory**   2 X 2=4   2X2=4

(2 Papers of 2 credits each)

   Environmental Science

   English/MIL Communication

2. **Ability Enhancement Elective**   4 X 2=8   4 X 2=8

(Skill Based)

(4 Papers of 2 credits each)

                                                                Total credit= 120   **Total credit= 120**

Institute   should   evolve   a   system/policy   about   ECA/   General
Interest/Hobby/Sports/NCC/NSS/related courses on its own.

*wherever there is practical there will be no tutorials and vice -versa

C. Sheela Reddy

Structure of B.Sc. Life Science under CBCS
[BOTANY COMPONEN]

Core Courses –Botany

1. Biodiversity (Microbes, Algae, Fungi and Archegoniatae)
2. Plant Ecology and Taxonomy
3. Plant Anatomy and Embryology
4. Plant Physiology and Metabolism

Discipline Specific Electives-Botany (Any two)

Semester V DSE-I	**DSE-I(Any one)** 1. Cell and Molecular Biology 2. Bioinformatics
Semester VI DSE-II	**DSE-II(Any one)** 3. Economic Botany and Biotechnology 4. Analytical Techniques in Plant Sciences

Ability Enhancement Compulsory Courses

	1. Environmental Science 2. English/MIL Communication
Skill Enhancement Courses (four)	
Semester III SEC-I	1. Biofertilizers
Semester IV SEC-II	2. Medicinal Botany
Semester V SEC-III	3. Ethnobotany
Semester VI · SEC-IV	4. Intellectual Property Rights

C. Sheela Reddy

Structure of B.Sc. Programme (Life Science)/B.Sc. Medical under CBCS

[BOTANY COMPONEN]

Semester	Core Course	Ability Enhancement Compulsory Courses	Skill Enhancement Courses (SEC)(4)	Discipline Specific Elective DSE(4)
I	CC-Botany I 1. Biodiversity (Microbes, Algae, Fungi and Archegoniate) CC-Zoology I CC-Chemistry I	English/MIL Communication/ Environmental Science		
II	CC-Botany II 2. Plant Ecology and Taxonomy CC-Zoology II CC-Chemistry II	English/MIL Communication/ Environmental Science		
III	CC-Botany III 3. Plant Anatomy and Embryology CC-Zoology III CC-Chemistry III		SEC-I 1. Biofertilizers	
IV	CC-Botany IV 4. Plant Physiology and Metabolism CC-Zoology IV CC-Chemistry IV		SEC-II 2. Medicinal Botany	
V			SEC-III 3. Ethnobotany	DSE-I Botany (Any one) 1. Cell and Molecular Biology 2. Bioinformatics
VI			SEC-IV	DSE-II Botany (Any one)

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			4. Intellectual Property Rights	3. Economic Botany and Biotechnology
				Analytical Techniques in Plant Sciences

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UNIVERSITY OF DELHI

DEPARTMENT OF COMMERCE

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
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Details of courses under B.A (Honors), B.Com (Honors) & B.Sc. (Honors)

Course	*Credits	
	Theory+ Practical	Theory + Tutorial

I. Core Course

	Theory+ Practical	Theory + Tutorial
(14 Papers)	14X4= 56	14X5=70
Core Course Practical / Tutorial*		
(14 Papers)	14X2=28	14X1=14

II. Elective Course

	Theory+ Practical	Theory + Tutorial
(8 Papers)		
A.1. Discipline Specific Elective	4X4=16	4X5=20
(4 Papers)		
A.2. Discipline Specific Elective		
Practical/ Tutorial*	4 X 2=8	4X1=4
(4 Papers)		
B.1. Generic Elective/		
Interdisciplinary	4X4=16	4X5=20
(4 Papers)		
B.2. Generic Elective		
Practical/ Tutorial*	4 X 2=8	4X1=4
(4 Papers)		

- **Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses

1. **Ability Enhancement Compulsory**

	Theory+ Practical	Theory + Tutorial
(2 Papers of 2 credit each)	2 X 2=4	2 X 2=4
Environmental Science		
English/MIL Communication		

2. **Ability Enhancement Elective** (Skill Based)

	Theory+ Practical	Theory + Tutorial
(Minimum 2)	2 X 2=4	2 X 2=4
(2 Papers of 2 credit each)		

Total credit	140	140

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

* wherever there is a practical there will be no tutorial and vice-versa

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B. Com. (Hons.): Three-Year (6-Semester) CBCS Programme

Paper No.	Course Structure	
	Semester I	
BCH-1.1	Environmental Studies	Ability Enhancement Compulsory Course (AECC-1)
BCH-1.2	Financial Accounting	Core Course (C-1)
BCH-1.3	Business Laws	Core Course(C-2)
BCH-1.4	Generic Elective (GE-1) (Any *one* of the following)	Generic Elective(GE-1)
	a. Micro Economics	
	b. Insurance and Risk Management	
	Semester II	
BCH-2.1	Business Communication (Language-English/Hindi/MIL)	Ability Enhancement Compulsory Course (AECC-2)
BCH-2.2	Corporate Accounting	Core Course (C-3)
BCH-2.3	Corporate Laws	Core Course (C-4)
BCH-2.4	Generic Elective (GE-2) (Any *one* of the following)	Generic Elective(GE-2)
	a. Macro Economics	
	b. Investing in Stock Markets	
	Semester III	
BCH-3.1	Human Resource Management	Core Course (C-5)
BCH-3.2	Income-tax Law and Practice	Core Course (C-6)
BCH-3.3	Management Principles and Applications	Core Course (C-7)
BCH-3.4	Generic Elective (GE-3) (Any *one* of the following)	Generic Elective(GE-3)
	a. Business Statistics	
	b. Project Management	
BCH-3.5	Skill-Enhancement Course (SEC-1) (Any *one* of the following)	Skill-Enhancement Course (SEC-1)
	a. E-Commerce	
	b. Training and Development	
	c. E-Marketing	
	d. Personal Tax Planning	

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		Semester IV	
	BCH-4.1	Cost Accounting	Core Course (C-8)
	BCH-4.2	Business Mathematics	Core Course (C-9)
	BCH-4.3	Computer Applications in Business	Core Course (C-10)
	BCH-4.4	Generic Elective (GE-4) (Any *one* of the following)	Generic Elective (GE-4)
		a. Indian Economy	
		b. Economics of Regulation of Domestic and Foreign Exchange Markets	
	BCH-4.5	Skill-Enhancement Course (SEC-2) (Any *one* of the following)	Skill-Enhancement Course (SEC-2)
		a. Entrepreneurship	
		b. Collective Bargaining and Negotiation Skills	
		c. E-Filing of Returns	
		d. Cyber Crimes and Laws	
		Semester V	
	BCH-5.1	Principles of Marketing	Core Course (C-11)
	BCH-5.2	Fundamentals of Financial Management	Core Course (C-12)
	BCH-5.3	Discipline Specific Elective (DSE-1) (Any one of group A)	Discipline Specific Elective (DSE-1)
	BCH-5.4	Discipline Specific Elective (DSE-2) (Any one of group A)	Discipline Specific Elective (DSE-2)
		a. Management Accounting	
		b. Corporate Tax Planning	
		c. Advertising	
		d. Banking and Insurance	
		e. Computerised Accounting System	
		f. Financial Markets, Institutions and Financial Services	
		g. Industrial Laws	
		h. Organisational Behaviour	
		Semester VI	
	BCH-6.1	Auditing and Corporate Governance	Core Course (C-13)

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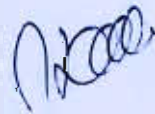
BCH-6.2	Indirect Tax Laws	Core Course (C-14)
BCH-6.3	Discipline Specific Elective (DSE-3) (Any one of group B)	Discipline Specific Elective(DSE-3)
BCH-6.4	Discipline Specific Elective (DSE-4) (Any one of group B)	Discipline Specific Elective (DSE-4)
	a. Fundamentals of Investment	
	b. Consumer Affairs and Customer Care	
	c. Business Tax Procedures and Management	
	d. International Business	
	e. Industrial Relations and Labour Laws	
	f. Business Research Methods and Project Work	
	g. New Venture Planning	
	h. Financial Reporting & Analysis	
	i. Compensation Management	

Notes:

1. For Practical Lab based
   a. Core Courses BCH 1.2 (Financial Accounting), BCH 3.2 (Income-tax Law and Practice), BCH 3.4 (Business Statistics), BCH 4.2 (Business Mathematics), and BCH 5.2 (Fundamentals of Financial Management) there shall be 4 Credit Hrs. for Lectures + one Credit hr. (Two Practical Periods per week per batch) for Practical Lab + one credit Hr for Tutorials (per group)
   b. Core Courses BCH 4.3 (Computer Applications in Business) and Discipline Specific Elective BCH Group A (e) (Computerised Accounting System), there shall be 4 Credit Hrs. for Lectures + Two Credit hrs. (4 Practical Periods per week per batch) for Practical Lab
   c. Skill Enhancement Elective Course BCH 3.5(E-Commerce), there shall be 3 Credit Hrs. for Lectures + One Credit hrs. (2 Practical Periods per week per batch) for Practical Lab
2. For other core and elective papers, there shall be 5 lectures and one Tutorial (per batch)

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DEPARTMENT OF COMMERCE

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
Core Courses, Elective Courses & Ability Enhancement Courses

Disclaimer: The CBCS syllabus is uploaded as given by the Faculty concerned to the Academic Council. The same has been approved as it is by the Academic Council on 13.7.2015 and Executive Council on 14.7.2015. Any query may kindly be addressed to the concerned Faculty.
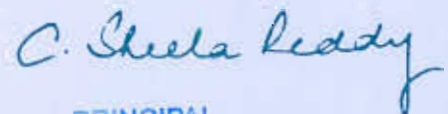
Undergraduate Programme Secretariat

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(12 Papers)		
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Two papers – MIL		
Four papers – Discipline 1.		
Four papers – Discipline 2.		
Core Course Practical / Tutorial*	12X2=24	12X1=12
(12 Practicals)		
II. Elective Course	6x4=24	6X5=30
(6 Papers)		
Two papers- Discipline 1 specific		
Two papers- Discipline 2 specific		
Two papers- Inter disciplinary		
Two papers from each discipline of choice		
and two papers of interdisciplinary nature.		
Elective Course Practical / Tutorials*	6 X 2=12	6X1=6
(6 Practical/ Tutorials*)		
Two papers- Discipline 1 specific		
Two papers- Discipline 2 specific		
Two papers- Generic (Inter disciplinary)		
Two papers from each discipline of choice		
including papers of interdisciplinary nature.		

- **Optional Dissertation or project work in place of one elective paper (6 credits) in 6th Semester**

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1. **Ability Enhancement Compulsory**	2 X 2=4	2 X 2=4
(2 Papers of 2 credits each)		
Environmental Science		
English Communication/MIL		
2. **Ability Enhancement Elective**	4 X 2=8	4 X 2=8
(Skill Based)		
(4 Papers of 2 credits each)		

	Total credit= 120	**Total = 120**

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

*wherever there is a practical there will be no tutorial and vice-versa.

C. Sheela Reddy
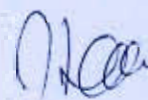
B. Com: Three-Year (6-Semester) CBCS Programme

Programme Structure

Course No.	Course Title	Course Type
Semester I		
BC 1.1	Environmental Studies	Ability Enhancement Compulsory Course (AECC-1)
BC 1.2	Financial Accounting	Core Course (DSC-1)
BC 1.3	Business Organisation and Management	Core Course (DSC-2)
BC 1.4	English Language	Language-1
Semester II		
BC 2.1	Language: English/Hindi/Modern Indian Language	Ability Enhancement Compulsory Course (AECC-2)
BC 2.2	Business Laws	Core Course (DSC-3)
BC 2.3	Business Mathematics and Statistics	Core Course (DSC-4)
BC 2.4	Hindi/Modern Indian Language	Language-2
Semester III		
BC 3.1	Company Law	Core Course (DSC-5)
BC 3.2	Income Tax Law and Practice	Core Course (DSC-6)
BC 3.3	Hindi/Modern Indian Language	Language-3
BC 3.4	Skill Based (Any one of the following)	Ability Enhancement Elective Course (Skill Based-AEEC-1)
	(a) Computer Applications in Business	
	(b) Cyber Crimes and Laws	
Semester IV		
BC 4.1	Business Communication (English/Hindi)	Language-4
BC 4.2	Corporate Accounting	Core Course (DSC-7)
BC 4.3	Cost Accounting	Core Course (DSC-8)
BC 4.4	Skill Based (Any one of the following)	Ability Enhancement Elective Course (Skill Based-AEEC-2)
	(a) E-Commerce	
	(b) Investing in Stock Markets	

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	Semester V	
BC 5.1	Discipline Specific Elective (Any one of the Following)	Discipline Specific Elective (DSE-1)
	(a) Human Resource Management	
	(b) Principles of Marketing	
	(c) Auditing and Corporate Governance	
	(d) Financial Reporting and Analysis	
BC 5.2	Discipline Specific Elective (Any one of the following)	Discipline Specific Elective (DSE-2)
	(a) Fundamentals of Financial Management	
	(b) Indirect Tax Laws	
	(c) Training and Development	
	(d) Industrial Laws	
BC 5.3	Skill Based (Any one of the following)	Ability Enhancement Elective Course (Skill Based-AEEC-3)
	(a) Entrepreneurship	
	(b) Advertising	
BC 5.4	Generic Elective (Any one of the following)	Generic Elective (GE-1)
	(a) Principles of Micro Economics	
	(b) Economics of Regulation of Domestic and Foreign Exchange Markets	
	Semester VI	
BC 6.1	Discipline Specific Elective (Any one of the following)	Discipline Specific Elective (DSE-3)
	(a) Corporate Tax Planning	
	(b) Banking and Insurance	
	(c) Management Accounting	
	(d) Computerised Accounting System	
	(e) Financial Markets and Institutions	
BC 6.2	Discipline Specific Elective (Any one of the following)	Discipline Specific Elective (DSE-4)
	(a) International Business	
	(b) Office Management and Secretarial Practice	
	(c) Fundamentals of Investment	
	(d) Consumer Protection	
	(e) Organisational Behaviour	
BC 6.3	Skill Based (Any one of the following)	Ability Enhancement Elective Course (Skill Based-AEEC-4)
	(a) Personal Selling and Salesmanship	
	(b) Collective Bargaining and Negotiation Skills	

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BC 6.4	Generic Elective (Any one of the following)	Generic Elective (GE-2)
	(a) Indian Economy	
	(b) Project Management	

Notes:

1. For Practical Lab based
   a. Core Course papers BC 1.2 (Financial Accounting) and BC 3.2 (Income-tax Law and Practice), there shall be 4 Credit Hrs. for Lectures + one Credit hr. (Two Practical Periods per week per batch) for Practical Lab + one credit Hr for Tutorials (per group)

   b. Discipline Specific Elective paper 6.4(d) (Computerised Accounting System), there shall be 4 Credit Hrs. for Lectures + Two Credit hrs. (4 Practical Periods per week per batch) for Practical Lab

   c. Ability Enhancement Elective Course (Skill Based) AEEC-2 paper BC 4.4 (E-Commerce), there shall be 3 Credit Hrs. for Lectures + One Credit hrs. (2 Practical Periods per week per batch) for Practical Lab

   d. Ability Enhancement Elective Course (Skill Based) AEEC-1 paper BC 3.4 (Computer Applications in Business), there shall be 2 Credit Hrs. for Lectures + Two Credit hrs. (4 Practical Periods per week per batch) for Practical Lab

2. For other core and elective papers there shall be 5 lectures and one Tutorial (per batch)

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C. Sheela Reddy

Choice Based Credit System (CBCS)

UNIVERSITY OF DELHI

DEPARTMENT OF SOCIOLOGY

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
Core Courses, Elective Courses & Ability Enhancement Courses

PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

Preamble

The University Grants Commission (UGC) has initiated several measures to bring equity, efficiency and excellence in the Higher Education System of country. The important measures taken to enhance academic standards and quality in higher education include innovation and improvements in curriculum, teaching-learning process, examination and evaluation systems, besides governance and other matters.

The UGC has formulated various regulations and guidelines from time to time to improve the higher education system and maintain minimum standards and quality across the Higher Educational Institutions (HEIs) in India. The academic reforms recommended by the UGC in the recent past have led to overall improvement in the higher education system. However, due to lot of diversity in the system of higher education, there are multiple approaches followed by universities towards examination, evaluation and grading system. While the HEIs must have the flexibility and freedom in designing the examination and evaluation methods that best fits the curriculum, syllabi and teaching–learning methods, there is a need to devise a sensible system for awarding the grades based on the performance of students. Presently the performance of the students is reported using the conventional system of marks secured in the examinations or grades or both. The conversion from marks to letter grades and the letter grades used vary widely across the HEIs in the country. This creates difficulty for the academia and the employers to understand and infer the performance of the students graduating from different universities and colleges based on grades.

The grading system is considered to be better than the conventional marks system and hence it has been followed in the top institutions in India and abroad. So it is desirable to introduce uniform grading system. This will facilitate student mobility across institutions within and across countries and also enable potential employers to assess the performance of students. To bring in the desired uniformity, in grading system and method for computing the cumulative grade point average (CGPA) based on the performance of students in the examinations, the UGC has formulated these guidelines.

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CHOICE BASED CREDIT SYSTEM (CBCS):

The CBCS provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill based courses. The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Therefore, it is necessary to introduce uniform grading system in the entire higher education in India. This will benefit the students to move across institutions within India to begin with and across countries. The uniform grading system will also enable potential employers in assessing the performance of the candidates. In order to bring uniformity in evaluation system and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations, the UGC has formulated the guidelines to be followed.

Outline of Choice Based Credit System:

1. **Core Course:** A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.

2. **Elective Course:** Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.

   2.1 **Discipline Specific Elective (DSE) Course**: Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study).

   2.2 **Dissertation/Project**: An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called dissertation/project.

   2.3 **Generic Elective (GE) Course**: An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.
   P.S.: A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.

3. **Ability Enhancement Courses (AEC)/Competency Improvement Courses/Skill Development Courses/Foundation Course:** The Ability Enhancement (AE) Courses may be of two kinds: AE Compulsory Course (AECC) and AE Elective Course (AEEC). "AECC" courses are the courses based upon the content that leads to Knowledge enhancement. They ((i) Environmental Science, (ii) English/MIL Communication) are mandatory for all disciplines. AEEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc.

   3.1 AE Compulsory Course (AECC): Environmental Science, English Communication/MIL Communication.

   3.2 AE Elective Course (AEEC): These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based instruction.

Project work/Dissertation is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A Project/Dissertation work would be of 6 credits. A Project/Dissertation work may be given in lieu of a discipline specific elective paper.

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Details of courses under B.A (Honors), B.Com (Honors) & B.Sc. (Honors)

Course	*Credits	
	Theory+ Practical	Theory + Tutorial

I. Core Course

	Theory+ Practical	Theory + Tutorial
(14 Papers)	14X4= 56	14X5=70
Core Course Practical / Tutorial*		
(14 Papers)	14X2=28	14X1=14

II. Elective Course

(8 Papers)

	Theory+ Practical	Theory + Tutorial
A.1. Discipline Specific Elective	4X4=16	4X5=20
(4 Papers)		
A.2. Discipline Specific Elective Practical/ Tutorial*	4 X 2=8	4X1=4
(4 Papers)		
B.1. Generic Elective/ Interdisciplinary	4X4=16	4X5=20
(4 Papers)		
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(4 Papers)

- **Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses

1. Ability Enhancement Compulsory

	Theory+ Practical	Theory + Tutorial
(2 Papers of 2 credit each)	2 X 2=4	2 X 2=4
Environmental Science		
English/MIL Communication		

2. Ability Enhancement Elective (Skill Based)

	Theory+ Practical	Theory + Tutorial
(Minimum 2)	2 X 2=4	2 X 2=4

(2 Papers of 2 credit each)

	Theory+ Practical	Theory + Tutorial
Total credit	140	140

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

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BA (Honors) Sociology under CBCS

Contents

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Choice Based Credit System (CBCS)

UNIVERSITY OF DELHI

DEPARTMENT OF POLITICAL SCIENCE

UNDERGRADUATE PROGRAMME
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(4 Papers)		
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(4 Papers)		
B.2. Generic Elective		
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(4 Papers)
- **Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses

1. **Ability Enhancement Compulsory**

(2 Papers of 2 credit each)	2 X 2=4	2 X 2=4
Environmental Science		
English/MIL Communication		

2. **Ability Enhancement Elective** (Skill Based)

(Minimum 2)	2 X 2=4	2 X 2=4

(2 Papers of 2 credit each)

Total credit	140	140

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CHOICE BASED CREDIT SYSTEM

<u>LIST OF PAPERS AND COURSES</u>

B.A (HONOURS) POLITICAL SCIENCE

A) <u>CORE COURSE (14)</u>

1.1 Paper I- Understanding Political Theory

1.2 Paper II- Constitutional Government and Democracy in India

2.1 Paper III – Political Theory-Concepts and Debates

2.2 Paper IV- Political Process in India

3.1 Paper V- Introduction to Comparative Government and Politics

3.2   Paper VI –Perspectives on Public Administration

3.3 Paper VII- Perspectives on International Relations and World History

4.1 Paper VIII- Political Processes and Institutions in Comparative Perspective

4.2 Paper IX- Public Policy and Administration in India

4.3 Paper X- Global Politics

5.1 Paper XI- Classical Political Philosophy

5.2 Paper XII- Indian Political Thought-I

6.1   Paper XIII- Modern Political Philosophy

6.2   Paper XIV- Indian Political Thought-II

B) <u>Generic Elective -4 (Interdisciplinary): Any Four</u>

1. Nationalism in India

2. Contemporary Political Economy

3. Feminism: Theory and Practice (This paper has been swapped by the paper titled 'Women, Power and Politics')

4. Gandhi and the Contemporary World

5. Understanding Ambedkar

6. Governance: Issues and Challenges

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7. Politics of Globalization

8. United Nations and Global Conflicts

C) Discipline Specific Elective-4 (DSE): Any Four

1. Citizenship in a Globalizing World

2. Human Rights in a Comparative Perspective

3. Development Process and Social Movements in Contemporary India

4. Public Policy in India

5. Understanding Global Politics (This paper has been replaced by the paper titled 'Colonialism and Nationalism in India')

6. India's Foreign Policy in a Globalizing world

7. Women, Power and Politics (This paper has been swapped by the paper titled 'Feminism: Theory and Practice')

8. Dilemmas in Politics

D) Ability Enhancement-2 (AE Skill Based): Any Two

1. Your Laws, Your Rights

2. Public Opinion and Survey Research

3. Legislative Practices and Procedures

4. Peace and Conflict Resolution

E) Ability Enhancement (Compulsory) Fondation: Two

1. Language-MIL/ENGLISH

2. Environmental Science

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B.A (HONOURS) POLITICAL SCIENCE

SERIAL NO.	SEMESTER -I	PAPER
1.1	Language-MIL/ENGLISH Environmental Science	Ability Enhancement (AE) Compulsory
1.2	Understanding Political Theory	Core Discipline -1
1.3	Constitutional Government and Democracy in India	Core Discipline -2
1.4	Any One of the Following	Generic Elective –I (Interdisciplinary)
A	Nationalism in India	
B	Contemporary Political Economy	
C	Feminism: Theory and Practice (swapped by 'Women, Power and Politics')	
D	Gandhi and the Contemporary World	
E	Understanding Ambedkar	
F	Governance: Issues and Challenges	
G	Politics of Globalization	
H	United Nations and Global Conflicts	
	SEMESTER -II	
2.1	Environmental Science Language-MIL/ENGLISH	Ability Enhancement Compulsory (AE)
2.2	Political Theory-Concepts and Debates	Core Discipline -3
2.3	Political Process in India	Core Discipline -4
2.4	Any One of the Following	Generic Elective –II (Interdisciplinary)
A	Nationalism in India	
B	Contemporary Political Economy	
C	Feminism: Theory and Practice (swapped by 'Women, Power and Politics')	
D	Gandhi and the Contemporary World	
E	Understanding Ambedkar	
F	Governance: Issues and Challenges	
G	Politics of Globalization	
H	United Nations and Global Conflicts	
	SEMESTER -III	
3.1	Introduction to Comparative Government and Politics	Core Discipline -5
3.2	Perspectives on Public Administration	Core Discipline -6
3.3	Perspectives on International Relations and World History	Core Discipline -7
3.4	Any One of the Following	Generic Elective –III (Interdisciplinary)
A	Nationalism in India	
B	Contemporary Political Economy	
C	Feminism: Theory and Practice (swapped by 'Women, Power and Politics')	
D	Gandhi and the Contemporary World	
E	Understanding Ambedkar	
F	Governance: Issues and Challenges	

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G		Politics of Globalization	
H		United Nations and Global Conflicts	
3.5		Any one of the following	Ability Enhancement-I (Skill Based)
A		Your Laws, Your Rights	

B		Public Opinion and Survey Research	
C		Legislative Practices and Procedures	
D		Peace and Conflict Resolution	

		SEMESTER -IV	
4.1		Political Processes and Institutions in Comparative Perspective	Core Discipline -8
4.2		Public Policy and Administration in India	Core Discipline -9
4.3		Global Politics	Core Discipline -10
4.4		Any One of the Following	Generic Elective –IV (Interdisciplinary)
A		Nationalism in India	
B		Contemporary Political Economy	
C		Feminism: Theory and Practice (swapped by 'Women, Power and Politics')	
D		Gandhi and the Contemporary World	
E		Understanding Ambedkar	
F		Governance: Issues and Challenges	
G		Politics of Globalization	
H		United Nations and Global Conflicts	
4.5		Any One of the following	Ability Enhancement-II (Skill Based)
A		Your Laws, Your Rights	
B		Public Opinion and Survey Research	
C		Legislative Practices and Procedures	
D		Peace and Conflict Resolution	
		SEMESTER -V	
5.1		Classical Political Philosophy	Core Discipline -11
5.2		Modern Indian Political Thought-I	Core Discipline -12
5.3 & 5.4		Any two of the Following	Discipline Specific Elective (DSE)-1&2
A		Citizenship in a Globalizing World	
B		Human Rights in a Comparative Perspective	
C		Development Process and Social Movements in Contemporary India	
D		Public Policy in India	
E		Colonialism and Nationalism in India	
F		India's Foreign Policy in a globalizing world	
G		Women, Power and Politics (swapped by 'Feminism: Theory and Practice')	
H		Dilemmas in Politics	
		SEMESTER -VI	

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6.1	Modern Political Philosophy	Core Discipline -13
6.2	Indian Political Thought-II	Core Discipline -14

6.3 & 6.4	Any two of the Following	Discipline Specific Elective (DSE) 3 &4
A	Citizenship in a Globalizing World	
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C	Development Process and Social Movements in Contemporary India	
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Choice Based Credit System (CBCS)

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DEPARTMENT OF HISTORY

UNDERGRADUATE PROGRAMME
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Details of courses under B.A (Honors), B.Com (Honors) & B.Sc. (Honors)

Course	*Credits	
	Theory+ Practical	Theory + Tutorial

I. Core Course

(14 Papers) — 14X4= 56 — 14X5=70

Core Course Practical / Tutorial*

(14 Papers) — 14X2=28 — 14X1=14

II. Elective Course

(8 Papers)

A.1. Discipline Specific Elective — 4X4=16 — 4X5=20

(4 Papers)

A.2. Discipline Specific Elective

    Practical/ Tutorial* — 4 X 2=8 — 4X1=4

(4 Papers)

B.1. Generic Elective/

    Interdisciplinary — 4X4=16 — 4X5=20

(4 Papers)

B.2. Generic Elective

    Practical/ Tutorial* — 4 X 2=8 — 4X1=4

(4 Papers)

- **Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses

1. **Ability Enhancement Compulsory**

(2 Papers of 2 credit each) — 2 X 2=4 — 2 X 2=4

    Environmental Science

    English/MIL Communication

2. **Ability Enhancement Elective** (Skill Based)

    (Minimum 2) — 2 X 2=4 — 2 X 2=4

(2 Papers of 2 credit each)

| **Total credit** | 140 | 140 |

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

* wherever there is a practical there will be no tutorial and vice-versa

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Semester wise Details of History Course

SEMESTER 1				
No. of Core Courses	**CREDITS IN EACH CORE COURSE**			
Course	Theory	Practical	Tutorial	Credits
Core Course 1	4		1	5
Total Credit in Core Cours	5			
No. of Elective Courses	**CREDITS IN EACH ELECTIVE COURSE**			
Elective Course 1	4		1	5
Elective Course 2	4		1	5
Elective Course 3	4		1	5
Total Credit in Core Course	15			
TOTAL CREDIT SEMESTER 1	**20**			

SEMESTER 2				
No. of Elective Courses	**CREDITS IN EACH ELECTIVE COURSE**			
Elective Course 1	4		1	5
Elective Course 2	4		1	5
Elective Course 3	4		1	5
Elective Course 4	4		1	5
Total Credit in Elective Course	20			
TOTAL CREDIT SEMESTER 2	**20**			

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SEMESTER 3				
No. of Elective Courses	**CREDITS IN EACH ELECTIVE COURSE**			
Elective Course 1	4		1	5
Elective Course 2	4		1	5
Elective Course 3	4		1	5
Elective Course 4	4		1	5
Total Credit in Elective Course	**20**			
No. of Open Elective Course	**CREDITS IN EACH OPEN ELECTIVE COURSE**			
Open Elective Course 1	4			4
Total Credit in Open Elective Course	**4**			
TOTAL CREDIT SEMESTER 3	**20 + 4**			

SEMESTER 4				
No. of Core Courses	**CREDITS IN EACH CORE COURSE**			
Course	**Theory**	**Practical**	**Tutorial**	**Credits**
Core Course 2	4		1	5
Total Credits in Core Course 2	**5**			
No. of Elective Courses	**CREDITS IN EACH ELECTIVE COURSE**			
Elective Course 1	4		1	5
Elective Course 2	4		1	5
Elective Course 3	4		1	5
Total Credit in Elective Course	**15**			
No. of Open Elective Course	**CREDITS IN EACH OPEN ELECTIVE COURSE**			
Open Elective Course 1	4			4
Total Credit in Open Elective Course	**4**			
TOTAL CREDIT SEMESTER 4	**20 + 4**			

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Structure of B.A (Hons) History Course under CBCS

CORE COURSE (14)

Paper I: History of India-I
Paper-II: Social Formations and Cultural Patterns of the Ancient World
Paper III: History of India-II
Paper IV: Social Formations and Cultural Patterns of the Medieval World
Paper V: History of India-III (c. 750-1206)
Paper VI: Rise of Modern West-I
Paper VII: History of India IV (c.1206-1550)
Paper VIII: Rise of Modern West -11
Paper IX: History of India-V (c. 1550-1605)
Paper X: History of India-VI (c. 1750-1857
Paper XI: History of Modern Europe- I (c. 1780-1939)
Paper XII: History of India-VII (c. 1605-1750)
Paper XIII: History of India-VIII (c. 1857-1950)
Paper XIV: History of Modern Europe- II (1780-1939)

Discipline Specific Elective (Any Four)
Paper I: History Of United States Of America -1(C. 1776 -1945)
 Paper II: History Of United States Of America -I1(C. 1776 - 1945)
Paper III: History Of The USSR-I (c. 1917- 1964)
Paper IV: History Of The USSR-II (c. 1917- 1964)
Paper V: History Of Africa (c. 1500 - 1960s)

Paper VI: History Of Latin America (c. 1500 - 1960s)

Paper VII: History Of Southeast Asia-The 19TH Century
 Paper VIII: History Of Southeast Asia-The 20TH Century
 Paper IX-History of Modern East Asia-I(c.1840-1919)
Paper X-History of Modern East Asia-1I (c. 1868-1945)
Generic Elective (Interdisciplinary Any Four)
Paper-1: Environmental Issues In India
Paper-II: Research Methodology in History
Paper-III: Making of Contemporary India
Paper-IV: Delhi: Ancient
Paper-V: Delhi: Medieval
Paper-VI: Delhi: Modern
Paper-VII: Issues in Contemporary World
Ability Enhancement Course (AEC)
Compulsory-II Papers
Environmental Science
English/ MIL
Skill Enhancement Courses (SEC)

Any Two
Paper-I Understanding Heritage
Paper-II: Art Appreciation: An Introduction to Indian Art
Paper-III: Archives and museums
Paper-IV: Understanding Popular Culture

B.A (Hons) History
Core Papers(C): 14,Credits: 6 each, 5classes,1 tutorial
Paper I: History of India-I
Paper-II: Social Formations and Cultural Patterns of the Ancient World
Paper III: History of India-II
Paper IV: Social Formations and Cultural Patterns of the Medieval World
Paper V: History of India-III (c. 750-1206)
Paper VI: Rise of Modern West-I
Paper VII: History of India IV (c.1206-1550)
Paper VIII: Rise of Modern West -11
Paper IX: History of India-V (c. 1550-1605)
Paper X: History of India-VI (c. 1750-1857
Paper XI: History of Modern Europe I (c. 1780-1939)
Paper X: History of India-VI (c. 1750-1857
Paper XI: History of Modern Europe I (c. 1780-1939)
Paper XII: History of India-VII (c. 1605-1750)
Paper XIII: History of India-VIII (c. 1857-1950)
Paper XIV: History of Modern Europe II (1780-1939)

Discipline Specific Elective (Any Four) Credits- 6 Each, 5 classes, 1 Tutorial
Paper I-I: History Of United States Of America -1(C. 1776 ñ 1945)
 Paper2- II: History Of United States Of America -I1(C. 1776 ñ 1945)
Paper3- I: History Of The USSR-I (c. 1917- 1964)
Paper4-II: History Of The USSR-II (c. 1917- 1964)
Paper5-I: History Of Africa (c. 1500 - 1960s)
Paper 6: History Of Latin America (c. 1500 - 1960s)
Paper 7: History Of Southeast Asia - The 19TH Century
 Paper 8: History Of Southeast Asia - The 20TH Century
 Paper 9-History of Modern East Asia-1 (c. 1840-1919)
Paper 10-History of China & Japan-I1 (c. 1868-1939)

Generic Elective (Interdisciplinary Any Four) CREDITS-6 Each, 5 Classes, 1 Tutorial

Paper-1: Environmental Issues In India
Paper-II: Research Methodology in History
Paper-III: Making of Contemporary India

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Paper-IV: Delhi: Ancient
Paper-V: Delhi: Medieval
Paper-VI: Delhi: Modern
Paper-VII: Issues in Contemporary World

Ability Enhancement Course (AEC)
Compulsary-2 Papers, Credits-2 Each,2 Classes
Environmental Science
English/ MIL
Skill Enhancement Courses (SEC)
Any Two Papers, Credits-2 Each, 2 Classes
Paper-I Understanding Heritage
Paper-II: Art Appreciation: An Introduction to Indian Art
Paper-III: Archives and museums
Paper-IV: Understanding Popular Culture

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4

Choice Based Credit System (CBCS)

UNIVERSITY OF DELHI

DEPARTMENT OF ECONOMICS

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
Core Courses, Elective Courses & Ability Enhancement Courses

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

Preamble

The University Grants Commission (UGC) has initiated several measures to bring equity, efficiency and excellence in the Higher Education System of country. The important measures taken to enhance academic standards and quality in higher education include innovation and improvements in curriculum, teaching-learning process, examination and evaluation systems, besides governance and other matters.

The UGC has formulated various regulations and guidelines from time to time to improve the higher education system and maintain minimum standards and quality across the Higher Educational Institutions (HEIs) in India. The academic reforms recommended by the UGC in the recent past have led to overall improvement in the higher education system. However, due to lot of diversity in the system of higher education, there are multiple approaches followed by universities towards examination, evaluation and grading system. While the HEIs must have the flexibility and freedom in designing the examination and evaluation methods that best fits the curriculum, syllabi and teaching–learning methods, there is a need to devise a sensible system for awarding the grades based on the performance of students. Presently the performance of the students is reported using the conventional system of marks secured in the examinations or grades or both. The conversion from marks to letter grades and the letter grades used vary widely across the HEIs in the country. This creates difficulty for the academia and the employers to understand and infer the performance of the students graduating from different universities and colleges based on grades.

The grading system is considered to be better than the conventional marks system and hence it has been followed in the top institutions in India and abroad. So it is desirable to introduce uniform grading system. This will facilitate student mobility across institutions within and across countries and also enable potential employers to assess the performance of students. To bring in the desired uniformity, in grading system and method for computing the cumulative grade point average (CGPA) based on the performance of students in the examinations, the UGC has formulated these guidelines.

CHOICE BASED CREDIT SYSTEM (CBCS):

The CBCS provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill based courses. The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Therefore, it is necessary to introduce uniform grading system in the entire higher education in India. This will benefit the students to move across institutions within India to begin with and across countries. The uniform grading system will also enable potential employers in assessing the performance of the candidates. In order to bring uniformity in evaluation system and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations, the UGC has formulated the guidelines to be followed.

Outline of Choice Based Credit System:

1. **Core Course:** A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.
2. **Elective Course:** Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.
   2.1 **Discipline Specific Elective (DSE) Course**: Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study).
   2.2 **Dissertation/Project**: An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called dissertation/project.
   2.3 **Generic Elective (GE) Course**: An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.
   P.S.: A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.
3. **Ability Enhancement Courses (AEC)/Competency Improvement Courses/Skill Development Courses/Foundation Course:** The Ability Enhancement (AE) Courses may be of two kinds: AE Compulsory Course (AECC) and AE Elective Course (AEEC). "AECC" courses are the courses based upon the content that leads to Knowledge enhancement. They ((i) Environmental Science, (ii) English/MIL Communication) are mandatory for all disciplines. AEEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc.
   3.1 AE Compulsory Course (AECC): Environmental Science, English Communication/MIL Communication.
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Project work/Dissertation is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A Project/Dissertation work would be of 6 credits. A Project/Dissertation work may be given in lieu of a discipline specific elective paper.

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Details of courses under B.A (Honors), B.Com (Honors) & B.Sc. (Honors)

Course	*Credits	
	Theory+ Practical	Theory + Tutorial

I. Core Course

(14 Papers) 14X4= 56   14X5=70

Core Course Practical / Tutorial*

(14 Papers) 14X2=28   14X1=14

II. Elective Course

(8 Papers)

A.1. Discipline Specific Elective   4X4=16   4X5=20

(4 Papers)

A.2. Discipline Specific Elective

     Practical/ Tutorial*   4 X 2=8   4X1=4

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B.1. Generic Elective/

     Interdisciplinary   4X4=16   4X5=20

(4 Papers)

B.2. Generic Elective

     Practical/ Tutorial*   4 X 2=8   4X1=4

(4 Papers)

- **Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses

1. **Ability Enhancement Compulsory**

(2 Papers of 2 credit each)   2 X 2=4   2 X 2=4

     Environmental Science

     English/MIL Communication

2. **Ability Enhancement Elective** (Skill Based)

     (Minimum 2)   2 X 2=4   2 X 2=4

(2 Papers of 2 credit each)

Total credit	140	140

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

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Course Structure for B.A. (Hons.) Economics

Semester-I	Semester-II
Economics Core Course 1 : Introductory Microeconomics	Economics Core Course 3 : Introductory Macroeconomics
Economics Core Course 2 : Mathematical Methods for Economics-I	Economics Core Course 4 : Mathematical Methods for Economics-II
Ability Enhancement Compulsory Course (AECC)-I	Ability Enhancement Compulsory Course (AECC)-II
Generic Elective (GE) Course-I	Generic Elective (GE) Course-II

Semester-III	Semester-IV
Economics Core Course 5 : Intermediate Microeconomics-I	Economics Core Course 8 : Intermediate Microeconomics-II
Economics Core Course 6 : Intermediate Macroeconomics-I	Economics Core Course 9 : Intermediate Macroeconomics-II
Economics Core Course 7 : Statistical Methods for Economics	Economics Core Course 10 : Introductory Econometrics
Skill Enhancement Course (SEC)-I	Skill Enhancement Course (SEC)-II
Generic Elective (GE) Course-III	Generic Elective (GE) Course-IV

Semester-V	Semester-VI
Economics Core Course 11 : Indian Economy-I	Economics Core Course 13 : Indian Economy-II
Economics Core Course 12 : Development Economics-I	Economics Core Course 14 : Development Economics-II
Discipline Specific Elective (DSE) Course-I (From List of Group-I)	Discipline Specific Elective (DSE) Course-III (From List of Group-II)
Discipline Specific Elective (DSE) Course-II (From List of Group-I)	Discipline Specific Elective (DSE) Course-IV (From List of Group-II)
Group-I (Discipline Specific Elective (DSE) Courses)	Group-II (Discipline Specific Elective (DSE) Courses)
(i) Economics of Health and Education	(viii) Political Economy-II
(ii) Applied Econometrics	(ix) Comparative Economic Development (1850-1950)
(iii) Economic History of India (1857-1947)	(x) Financial Economics
(iv) Topics in Microeconomics-I	(xi) Topics in Microeconomics-II
(v) Political Economy-I	(xii) Environmental Economics
(vi) Money and Financial Markets	(xiii) International Economics
(vii) Public Economics	(xiv) Dissertation/Project

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2

Choice Based Credit System (CBCS)

UNIVERSITY OF DELHI

DEPARTMENT OF SANSKRIT

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
Core Courses, Elective Courses & Ability Enhancement Courses

PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

Preamble

The University Grants Commission (UGC) has initiated several measures to bring equity, efficiency and excellence in the Higher Education System of country. The important measures taken to enhance academic standards and quality in higher education include innovation and improvements in curriculum, teaching-learning process, examination and evaluation systems, besides governance and other matters.

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(2 Papers of 2 credit each)   2 X 2=4   2 X 2=4

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    English/MIL Communication

2. **Ability Enhancement Elective** (Skill Based)

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Core Papers (14)
B.A. (Hons) Sanskrit

Semester: I

C-1 Classical Sanskrit Literature (Poetry)	C-2 Critical Survey of Sanskrit Literature

Semester: II

C-3 Classical Sanskrit Literature (Prose)	C-4 Self-Management in the Gītā

Semester: III

C-5 Classical Sanskrit Literature (Drama)	C-6 Poetics and Literary Criticism	C-7 Indian Social Institutions and Polity

Semester: IV

C-8 Indian Epigraphy, Palaeography and Chronology	C-9 Modern Sanskrit Literature	C-10 Sanskrit and World Literature

Semester: V

C-11 Vedic Literature	C-12 Sanskrit Grammar

Semester: VI

C-13 Indian Ontology and Epistemology	C-14 Sanskrit Composition and Communication

Discipline Specific Elective (DSE)
B.A. (Hons) Sanskrit

DSE-1 Indian System of Logic and Debate	DSE-2 Art of Balanced Living

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Background/Preamble and Guidelines

DSE -3 Theatre & Dramaturgy	DSE-4 Tools and Techniques for Computing Sanskrit Language
DSE-5 Sanskrit Linguistics	DSE-6 Computational Linguistics for Sanskrit
DSE-7 Fundamentals of Ayurveda	DSE-8 Environmental Awareness in Sanskrit Literature

Generic Elective (GE)
(Any Four)
B.A. (Hons) Sanskrit

Semester: III/IV

GE-1 Basic Sanskrit	GE-2 Indian Culture and Social Issues
GE-3 Sanskrit and Other Modern Indian Languages	GE-4 Basic Principles of Indian Medicine System (Ayurveda)
GE-5 Indian Aesthetics	GE-6 Fundamentals of Indian Philosophy
GE-7 Ancient Indian Polity	GE-8 Indian Epigraphy & Paleography
GE-9 Computer Applications for Sanskrit	GE-10 Individual, Family and Community In Indian Social Thought
GE-11 Nationalism and Indian Literature	GE-12 Indian Architectural System

Ability Enhancement Elective Course (AEEC)
(Any Two)
Skill Based
B.A. (Hons) Sanskrit

Semester: III/IV

AEEC-1 Acting & Script Writing	AEEC -2 Reading skills in Brāhmī Scripts
AEEC-3 Machine Translation: Tools and Techniques	AEEC-4 Evolution of Indian scripts
AEEC-5 Sanskrit Meters and Music	

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UNIVERSITY OF DELHI

DEPARTMENT OF HINDI

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
Core Courses, Elective Courses & Ability Enhancement Courses

C. Sheela Reddy

PRINCIPAL
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Preamble

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Course	*Credits	
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(8 Papers)		
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(Minimum 2)	2 X 2=4	2 X 2=4
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प्रश्नपत्रों का Øम इस प्रकार होगा :

हिंदी कोर पाठ्यक्रम (HCC)

- **सेमेस्टर-1 :**

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  हिन्दी कोर प्रश्नपत्र-2   :   हिंदी कविता (आदिकाल एवं भक्तिकालीन काव्य)

- **सेमेस्टर-2 :**

  हिन्दी कोर प्रश्नपत्र-3   :   हिंदी साहित्य का इतिहास (आदिकाल और मध्यकाल)

  हिन्दी कोर प्रश्नपत्र-4   :   हिंदी कविता (रीतिकालीन काव्य)

- **सेमेस्टर-3 :**

  हिन्दी कोर प्रश्नपत्र-5   :   हिंदी साहित्य का इतिहास (आधुनिक काल)

  हिन्दी कोर प्रश्नपत्र-6   :   हिंदी कविता (आधुनिक काल छायावाद तक)

  हिन्दी कोर प्रश्नपत्र-7   :   हिंदी कहानी

- **सेमेस्टर-4 :**

  हिन्दी कोर प्रश्नपत्र-8   :   भारतीय काव्यशास्त्र

  हिन्दी कोर प्रश्नपत्र-9   :   हिंदी कविता (छायावाद के बाद)

  हिन्दी कोर प्रश्नपत्र-10   :   हिन्दी उपन्यास

- **सेमेस्टर-5 :**

  हिन्दी कोर प्रश्नपत्र-11   :   पाश्चात्य काव्यशास्त्र

  हिन्दी कोर प्रश्नपत्र-12   :   हिंदी नाटक/एकांकी

- **सेमेस्टर-6 :**

  हिन्दी कोर प्रश्नपत्र-13   :   हिन्दी आलोचना

  हिन्दी कोर प्रश्नपत्र-14   :   हिंदी निबंध और अन्य गद्य विधाएँ

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हिंदी सामान्य (Generic) ऐच्छिक पाठ्यक्रम (HGEC)

- सेमेस्टर 1

    1. लोकप्रिय साहित्य **अथवा** हिंदी सिनेमा और उसका अध्ययन

- सेमेस्टर 2

    2. रचनात्मक लेखन **अथवा** पटकथा तथा संवाद लेखन

- सेमेस्टर 3

    3. हिंदी में व्यावहारिक अनुवाद **अथवा** भाषा और समाज

- सेमेस्टर 4

    4. हिन्दी का वैश्विक परिदृश्य **अथवा** भाषा शिक्षण

हिंदी विषय आधारित ऐच्छिक पाठ्यक्रम (HDSEC)

- सेमेस्टर 5

    1. हिंदी की मौखिक और लोक-साहित्य परंपरा **अथवा** अस्मितामूलक विमर्श और हिंदी साहित्य **अथवा**

    भारतीय एवं पाश्चात्य रंगमंच सिद्धांत

- सेमेस्टर 5

    2. हिंदी भाषा का व्यावहारिक व्याकरण **अथवा** कोश विज्ञान : शब्दकोश और विश्वकोश **अथवा**
    भारतीय साहित्य की संक्षिप्त रूपरेखा

- सेमेस्टर 6

    3. लोकनाट्य **अथवा** हिन्दी की भाषिक विविधताएँ **अथवा** भारतीय साहित्य : पाठपरक अध्ययन

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C. Sheela Reddy

Choice Based Credit System (CBCS)

UNIVERSITY OF DELHI

DEPARTMENT OF ENGLISH

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
Core Courses, Elective Courses & Ability Enhancement Courses

C. Sheela Reddy

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Structure of B. A. Honours English under CBCS

Core Course

Paper Titles

1. Indian Classical Literature
2. European Classical Literature
3. Indian Writing in English
4. British Poetry and Drama: 14th to 17th Centuries
5. American Literature
6. Popular Literature
7. British Poetry and Drama: 17th and 18th Centuries
8. British Literature: 18th Century
9. British Romantic Literature
10. British Literature: 19th Century
11. Women's Writing
12. British Literature: The Early 20th Century
13. Modern European Drama
14. Postcolonial Literatures

Discipline Centric Elective (Any four)

Paper Titles

1. Modern Indian Writing in English Translation
2. Literature of the Indian Diaspora
3. British Literature: Post World War II
4. Nineteenth Century European Realism
5. Literary Theory
6. Literary Criticism
7. Science fiction and Detective Literature
8. Literature and Cinema
9. World Literatures
10. Partition Literature
11. Research Methodology
12. Travel writing
13. Autobiography

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Generic Elective (Any four)

Paper Titles

1. Academic Writing and Composition
2. Media and Communication Skills
3. Text and Performance
4. Language and Linguistics
5. Contemporary India: Women and Empowerment
6. Gender and Human Rights*
7. Language, Literature and Culture

*Syllabus not received

Ability Enhancement Course (Compulsory)

Paper Titles

1. Environmental Study*
2. English/MIL Communication

* Syllabi not received

Ability Enhancement Elective Course (Any two)

Paper Titles

1. Film Studies *
2. English Language Teaching
3. Soft Skills
4. Translation Studies
5. Creative Writing
6. Business Communication
7. Technical Writing

*Syllabus not received

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List of Core Courses

1. LLC I (Medieval) (CORE)

2. LLC II (Early Modern World) (CORE)

3. LLC III (16th and 17th Century Drama) (CORE)

4. Criticism and Theory I (CORE)

5. LLC IV (Long 18th Century) (CORE)

6. LLC V (Long 19th Century) (CORE)

7. LLC VI (Long 20th century) (CORE)

8. Post-independence Indian Literature (CORE)

List of Elective Courses

9. Classical to Pre-modern Literatures (ELECTIVE)

10. Poetry 1 (ELECTIVE)

11. Aesthetics and Literature (ELECTIVE)

12. Politics, Philosophy and Literature (ELECTIVE)

13. Introduction to the Study of Language (ELECTIVE)

14. Poetry 2 (ELECTIVE)

15. Fiction (ELECTIVE)

16. Literature of the Americas (ELECTIVE)

17. Postcolonial Literatures and Theory (ELECTIVE)

18. Research Methodology (ELECTIVE)

19. Criticism and Theory 2 (ELECTIVE)

20. Gender Studies (ELECTIVE)

21. Dissertation (ELECTIVE)

22. Religion and Literature (ELECTIVE)

List of Open Elective Courses

23. Dalit Studies (OPEN ELECTIVE)

24. Visual Studies (OPEN ELECTIVE)

25. Discursive Prose (OPEN ELECTIVE)

26. Violence and Memory Studies (OPEN ELECTIVE)

27. Disability Studies (OPEN ELECTIVE)

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Selection of Elective Courses

1.   The particular elective courses to be offered in any one semester will depend on faculty availability and student preference.

2.   Only those students who complete Poetry I will be allowed to opt for Poetry II.

3.   Only those students who complete the Research Methodology Course will be allowed to opt for the dissertation.

4.   Subject to faculty availability no more than eighty students will be allowed to opt for the dissertation.

Teaching

The faculty of the Department is primarily responsible for organising lecture work for English. The instructions related to tutorials are provided by the respective registering units under the overall guidance of the Department.

The schedule for the meetings in connection with the dissertation will be announced by the supervisions in question at the commencement of the semester.

Eligibility for Admissions

As per existing departmental and university norms

Assessment of Students' Performance and Scheme of Examinations

1.   English shall be the medium of instruction and examination.
2.   Assessment of students' performance shall consist of:
As per existing guidelines where the department is responsible for assessing a thousand words essay per student per course for 25 marks, with 5 marks per student per course being the responsibility of the concerned colleges
Assessment will be based on Learning Outcomes for the course

Pass Percentage & Promotion Criteria

As per existing departmental and university norms

Semester to Semester Progression

As per existing departmental and university norms

Conversion of Marks into Grades

As per existing university norms

Grade Points
Grade point table as per University Examination rule

CGPA Calculation
As per University Examination rule.

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Division of Degree into Classes

Post Graduate degree to be classified based on CGPA obtained into various classes as notified into Examination policy.

Attendance Requirement

As per existing university norms

No student shall be admitted as a candidate for the examination for any of the Parts/Semesters after the lapse of **four** years from the date of admission to the Part-I/Semester-I of the English Programme.

Guidelines for the Award of Internal Assessment Marks English Programme (Semester Wise)

As per existing guidelines where the department is responsible for assessing a thousand words essay per student per course for 25 marks, with 5 marks per student per course being the responsibility of the concerned colleges. All essays submitted for evaluation will need to be put through **Turnitin / comparable software** to guard against plagiarism. An essay that shows an Plagiarism score of 20% or more is liable to be awarded no marks at all, at the discretion of IA committee.

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UNIVERSITY OF DELHI

FACULTY OF SCIENCE

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
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Details of courses under B.A (Honors), B.Com (Honors) & B.Sc. (Honors)

Course	*Credits	
	Theory+ Practical	Theory + Tutorial
I. Core Course		
(14 Papers)	14X4= 56	14X5=70
Core Course Practical / Tutorial*		
(14 Papers)	14X2=28	14X1=14
II. Elective Course		
(8 Papers)		
A.1. Discipline Specific Elective	4X4=16	4X5=20
(4 Papers)		
A.2. Discipline Specific Elective		
Practical/ Tutorial*	4 X 2=8	4X1=4
(4 Papers)		
B.1. Generic Elective/		
Interdisciplinary	4X4=16	4X5=20
(4 Papers)		
B.2. Generic Elective		
Practical/ Tutorial*	4 X 2=8	4X1=4

(4 Papers)
- **Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses

1. **Ability Enhancement Compulsory**

(2 Papers of 2 credit each)	2 X 2=4	2 X 2=4
Environmental Science		
English/MIL Communication		

2. **Ability Enhancement Elective** (Skill Based)

(Minimum 2)	2 X 2=4	2 X 2=4
(2 Papers of 2 credit each)		
Total credit	140	140

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

* wherever there is a practical there will be no tutorial and vice-versa

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Sri Venkateswara College
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SCHEME AND SYLLABUS FORCHOICE BASED CREDIT SYSTEM

FOR B.Sc. HONOURS ZOOLOGY

Semester	Core Course(14)	Ability Enhancement Compulsory Course (2)	Skill Enhancement Course SEC (2)	Discipline SpecificElective DCE (4)	Generic Elective GE (4)
I	Non-chordates I: Protista to Pseudocoelomates	English Communication			GE-1
	Principles of Ecology				
II	Non-chordates II: Coelomates	Environmental Science			GE-2
	Cell Biology				
III	Diversity of Chordates		SEC -1		GE-3
	Physiology: Controlling and Coordinating Systems				
	Fundamentals of Biochemistry				
IV	Comparative Anatomy of Vertebrates		SEC -2		GE-4
	Physiology: Life Sustaining Systems				
	Biochemistry of Metabolic Processes				
V	Molecular Biology			DSE-1	
	Principles of Genetics			DSE-2	
VI	Developmental Biology			DSE -3	,
	Evolutionary Biology			DSE-4	

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Semester	Course Opted	Course Name	Credits
I	Ability Enhancement Compulsory Course-I	English communications/ Environmental Science	2
	Core course-I	Non-chordates I: Protista to Pseudocoelomates	4
	Core Course-I Practical		2
	Core course-II	Principles of Ecology	4
	Core Course-II Practical		2
	Generic Elective -1	GE-1	4
	Generic Elective -1 Practical/Tutorial		2
II	Ability Enhancement Compulsory Course-II	English Communications/ Environmental Science	2
	Core course-III	Non-chordates II: Coelomates	4
	Core Course-III Practical		2
	Core course-IV	Cell Biology	4
	Core Course-IV Practical		2
	Generic Elective -2	GE-2	4
	Generic Elective -2 Practical		2
III	Core course-V	Diversity of Chordata	4
	Core Course-V Practical		2
	Core course-VI	Physiology: Controlling and Coordinating systems	4
	Core Course-VI Practical		2
	Core course-VII	Fundamentals of Biochemistry	4
	Core Course-VII Practical		2
	Skill Enhancement Course-1	SEC-1	4
	Generic Elective -3	GE-3	4
	Generic Elective -3 Practical		2
IV	Core course-VIII	Comparative anatomy of vertebrates	4
	Course-VIII Practical		2
	Core course-IX	Physiology: Life Sustaining Systems	4
	Course-IX Practical		2
	Core course-X	Biochemistry of Metabolic Processes	4
	Core Course- X Practical		2
	Skill Enhancement Course-2	SEC-2	4
	Generic Elective -4	GE-4	4
	Generic Elective - 4Practical		2
V	Core course-XI	Molecular Biology	4
	Core Course-XI Practical		2
	Core course-XII	Principles of Genetics	4
	Core Course-XII Practical		2

Semester	Course Opted	Course Name	Credits
	Discipline Specific Elective -1	DSE-1	4
	Discipline Specific Elective -1 Practical		2
	Discipline Specific Elective -2	DSE-2	4
	Discipline Specific Elective- 2 Practical/Tutorial		2
VI	Core course-XIII	Developmental Biology	4
	Core Course-XIII Practical/Tutorial		2
	Core course-XIV	Evolutionary Biology	4
	Core Course-XIV Practical/Tutorial		2
	Discipline Centric Elective -3	DSE-3	4
	Discipline Centric Elective -3 Practical/Tutorial		2
	Discipline Centric Elective-4	DSE-4	4
	Discipline Centric Elective -1 Practical/Tutorial		2
		Total: 140	

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UNIVERSITY OF DELHI

DEPARTMENT OF STATISTICS

BACHELOR OF SCIENCE (HONS.) IN STATISTICS
(B.Sc. (Hons.) Statistics)
(Effective from Academic Year 2018-19)

PROPOSED SYLLABUS

XXXXX Revised Syllabus as approved by Academic Council on XXXX, 2018 and

Executive Council on YYYY, 2018

C. Sheela Reddy

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Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

CBCS Course Structure for B.Sc. (Hons.) Programme

Course	*Credits	
	Theory+ Practical	Theory + Tutorial

I. Core Course

(14 Papers)   14X4= 56   14X5=70

Core Course Practical / Tutorial*

(14 Papers)   14X2=28   14X1=14

II. Elective Course

(8 Papers)

A.1. Discipline Specific Elective   4X4=16   4X5=20

(4 Papers)

A.2. Discipline Specific Elective

Practical/ Tutorial*   4 X 2=8   4X1=4

(4 Papers)

B.1. Generic Elective/

Interdisciplinary   4X4=16   4X5=20

(4 Papers)

B.2. Generic Elective

Practical/ Tutorial*   4 X 2=8   4X1=4

(4 Papers)

- Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester

III. Ability Enhancement Courses

1. Ability Enhancement Compulsory

(2 Papers of 4 credit each)   2 X 4=8   2 X 4=8

Environmental Science

English/MIL Communication

2. Ability Enhancement Elective (Skill Based)

(Minimum 2)   2 X 4=8   2 X 4=8

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Sri Venkateswara College
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(2 Papers of 4 credit each)

Total credit	**148**	**148**

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LIST OF THE COURSES

Core Papers (Credits: 6 each) (14 papers)

STAT-C-101 Descriptive Statistics (Theory+ Practical)

STAT C-102 Calculus

STAT-C-201 Probability and Probability Distributions (Theory+ Practical)

STAT C-202 Algebra (Theory+ Practical)

STAT-C-301 Sampling Distributions (Theory+ Practical)

STAT-C-302 Survey Sampling and Indian Official Statistics (Theory+ Practical)

STAT C-303 Mathematical Analysis (Theory+ Practical)

STAT-C-401 Statistical Inference (Theory+ Practical)

STAT-C-402 Linear Models (Theory+ Practical)

STAT-C-403 Statistical Quality Control (Theory+ Practical)

STAT-C-501 Stochastic Processes and Queuing Theory (Theory+ Practical)

STAT-C-502 Statistical Computing Using C/C++ Programming (Theory+ Practical)

STAT-C-601 Design of Experiments (Theory+ Practical)

STAT-C-602 Multivariate Analysis and Nonparametric Methods (Theory+ Practical)

Discipline Specific Elective Papers (Credits: 6 each) (4 papers to be selected)

DSE-1
(A) Time Series Analysis (Theory+ Practical) or
(B) Demography and Vital Statistics (Theory+ Practical)

DSE-2
(A) Operations Research (Theory+ Practical) or
(B) Econometrics (Theory+ Practical)

DSE-3
(A) Actuarial Statistics (Theory+ Practical) or
(B) Biostatistics and Survival Analysis (Theory+ Practical)

DSE-4
(A) Financial Statistics (Theory+ Practical) or
(B) Project Work (Sixth Semester)

Skill Enhancement Electives (Credits: 4 each) (2 papers to be selected)

1. Statistical-Data Analysis Using Software Packages
2. Statistical Data Analysis Using R
3. Statistical Techniques for Research Methods
4. Statistical Simulation Techniques

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Generic Elective Papers (GE) (Credits: 6 each) (to be offered to other Departments/Disciplines)

1. Statistical Methods
2. Introductory Probability
3. Basics of Statistical Inference
4. Applied Statistics

Note:

1. There will be one batch of 15 students for practical classes.
2. Each practical will carry 50 marks including 25 marks for continuous evaluation and 5 marks for the oral test.
3. Colleges are advised and encouraged to conduct at least 50% of the practicals using spreadsheet (MS Excel) or any statistical package (SPSS/R/MATLAB).
4. At least four questions have to be compulsorily attempted in the final practical examination.
5. Hardcopy of practical file has to be maintained by the students for each practical paper.

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Semester wise Details of B.Sc. (Hons.) Statistics Course & Credit Scheme

Sem-ester	Core Course	Ability Enhancement Compulsory Course (AEC)	Skill Enhancement Course (SEC)	Elective Discipline Specific (DSE)	Elective Generic (GE)	Total Credits
I	STAT-C-101: Descriptive Statistics (L+P) STAT -C-102: Calculus (L+T)	AECC 1			STAT-GE-1 (L+P)	22
L+T/P	4+2=6; 5+1=6.	4			4+2=6	
II	STAT-C-201: Probability and Probability Distributions (L+P) STAT -C-202: Algebra (L+P)	AECC 2			STAT-GE-2 (L+P)	22
L+T/P	4+2=6; 4+2=6.	4			4+2=6	
III	STAT-C-301:Sampling Distributions (L+ P) STAT-C-302: Survey Sampling and Indian Official Statistics (L+ P) STAT-C-303: Mathematical Analysis (L+ P)		SEC (1/2/3/4) (L+P)		STAT-GE-3 (L+P)	28
L+T/P	4+2=6; 4+2=6; 4+2=6.		2+2=4		4+2=6	
IV	STAT-C-401: Statistical Inference (L+ P) STAT-C-402: Linear Models (L+ P) STAT-C-403: Statistical Quality Control (L+ P)		SEC (1/2/3/4) (L+P) Different from semester III option (L+P)		STAT-GE-4 (L+P)	28
L+T/P	4+2=6; 4+2=6; 4+2=6.		2+2=4		4+2=6	

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V	STAT-C-501: Stochastic Processes and Queuing Theory (L+ P)			DSE-1-(A/B) (L+P)		24
	STAT-C-502: Statistical Computing Using C/C++ Programming (L+ P)			DSE-2-(A/B) (L+P)		
L+T/P	4+2=6; 4+2=6.			4+2=6; 4+2=6.		
VI	STAT-C-601: Design of Experiments (T+ P)			DSE-3-(A/B) (L+P)		24
	STAT-C-602: Multivariate Analysis and Nonparametric Methods (T+ P)			DSE-4-(A/B) (L+P)		
L+T/P	4+2=6; 4+2=6.			4+2=6; 4+2=6.		
					Total Credits	148

Legend: L -Lecture Class; T =Tutorial Class; P = Practical Class
Note: One-hour lecture per week equals 1 Credit, 2 hours practical class per week equals 1 credit.

Teaching:

The faculty of the Department is primarily responsible for organizing lecture work for B.Sc. (Hons.) Statistics. The instructions related to tutorials are provided by the respective registering units under the overall guidance of the Department. Faculty from some other Departments and constituent colleges are also associated with lecture and tutorial work in the Department.

There shall be 90 instructional days excluding examination in a semester.

(Add details about Projects/Dissertation and role of supervisor)

Teaching Pedagogy:

Teaching pedagogy involve class room interactions, discussion, presentation etc. to be detailed out. The description should not be more than 300 words and could be both in general for all the courses and even for some particular papers requiring specific pedagogy like project work, group activities, or live projects.

This section (for each paper) could include the class-wise/week-wise flow of the course.

Eligibility for Admissions:

Minimum percentage of marks for admission B.Sc. (Hons.) in Statistics is 50% marks in · Mathematics and 45% marks in aggregate in any one of the examination mentioned on page (as per under- graduate Bulletin).

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Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

Choice Based Credit System (CBCS)

UNIVERSITY OF DELHI

DEPARTMENT OF PHYSICS

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
Core Courses, Elective Courses & Ability Enhancement Courses

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

Preamble

The University Grants Commission (UGC) has initiated several measures to bring equity, efficiency and excellence in the Higher Education System of country. The important measures taken to enhance academic standards and quality in higher education include innovation and improvements in curriculum, teaching-learning process, examination and evaluation systems, besides governance and other matters.

The UGC has formulated various regulations and guidelines from time to time to improve the higher education system and maintain minimum standards and quality across the Higher Educational Institutions (HEIs) in India. The academic reforms recommended by the UGC in the recent past have led to overall improvement in the higher education system. However, due to lot of diversity in the system of higher education, there are multiple approaches followed by universities towards examination, evaluation and grading system. While the HEIs must have the flexibility and freedom in designing the examination and evaluation methods that best fits the curriculum, syllabi and teaching–learning methods, there is a need to devise a sensible system for awarding the grades based on the performance of students. Presently the performance of the students is reported using the conventional system of marks secured in the examinations or grades or both. The conversion from marks to letter grades and the letter grades used vary widely across the HEIs in the country. This creates difficulty for the academia and the employers to understand and infer the performance of the students graduating from different universities and colleges based on grades.

The grading system is considered to be better than the conventional marks system and hence it has been followed in the top institutions in India and abroad. So it is desirable to introduce uniform grading system. This will facilitate student mobility across institutions within and across countries and also enable potential employers to assess the performance of students. To bring in the desired uniformity, in grading system and method for computing the cumulative grade point average (CGPA) based on the performance of students in the examinations, the UGC has formulated these guidelines.

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CHOICE BASED CREDIT SYSTEM (CBCS):

The CBCS provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill based courses. The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Therefore, it is necessary to introduce uniform grading system in the entire higher education in India. This will benefit the students to move across institutions within India to begin with and across countries. The uniform grading system will also enable potential employers in assessing the performance of the candidates. In order to bring uniformity in evaluation system and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations, the UGC has formulated the guidelines to be followed.

Outline of Choice Based Credit System:

1. **Core Course:** A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.
2. **Elective Course:** Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.
   2.1 **Discipline Specific Elective (DSE) Course**: Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study).
   2.2 **Dissertation/Project**: An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called dissertation/project.
   2.3 **Generic Elective (GE) Course**: An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.
   P.S.: A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.
3. **Ability Enhancement Courses (AEC)/Competency Improvement Courses/Skill Development Courses/Foundation Course:** The Ability Enhancement (AE) Courses may be of two kinds: AE Compulsory Course (AECC) and AE Elective Course (AEEC). "AECC" courses are the courses based upon the content that leads to Knowledge enhancement. They ((i) Environmental Science, (ii) English/MIL Communication) are mandatory for all disciplines. AEEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc.
   3.1 AE Compulsory Course (AECC): Environmental Science, English Communication/MIL Communication.
   3.2 AE Elective Course (AEEC): These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based instruction.

Project work/Dissertation is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A Project/Dissertation work would be of 6 credits. A Project/Dissertation work may be given in lieu of a discipline specific elective paper.

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Dhaula Kuan, New Delhi-110021

Details of courses under B.A (Honors), B.Com (Honors) & B.Sc. (Honors)

Course	*Credits	
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Core Course Practical / Tutorial*		
(14 Papers)	14X2=28	14X1=14

II. Elective Course

(8 Papers)

A.1. Discipline Specific Elective	4X4=16	4X5=20
(4 Papers)		
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Practical/ Tutorial*	4 X 2=8	4X1=4
(4 Papers)		
B.1. Generic Elective/		
Interdisciplinary	4X4=16	4X5=20
(4 Papers)		
B.2. Generic Elective		
Practical/ Tutorial*	4 X 2=8	4X1=4

(4 Papers)

- **Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses

1. **Ability Enhancement Compulsory**

(2 Papers of 2 credit each)	2 X 2=4	2 X 2=4
Environmental Science		
English/MIL Communication		

2. **Ability Enhancement Elective (Skill Based)**

(Minimum 2)	2 X 2=4	2 X 2=4

(2 Papers of 2 credit each)

Total credit	**140**	**140**

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

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Dhaula Kuan, New Delhi-110021

B.Sc. (Hons) Physics

Core Papers (C): (Credit: 06 each) (1 period/week for tutorials or 4 periods/week for practical)

1. Mathematical Physics-I (4 + 4)
2. Mechanics (4 + 4)
3. Electricity and Magnetism (4 + 4)
4. Waves and Optics (4 + 4)
5. Mathematical Physics–II (4 + 4)
6. Thermal Physics (4 + 4)
7. Digital Systems and Applications (4 + 4)
8. Mathematical Physics III (4 + 4)
9. Elements of Modern Physics (4 + 4)
10. Analog Systems and Applications (4 + 4)
11. Quantum Mechanics and Applications (4 + 4)
12. Solid State Physics (4 + 4)
13. Electromagnetic Theory (4 + 4)
14. Statistical Mechanics (4 + 4)

Discipline Specific Elective Papers: (Credit: 06 each) - DSE 1-4

(4 papers to be selected: 02 each for Odd semester and Even semester as listed below)

Odd semester:

1. Experimental Techniques (4) + Lab (4)
2. Advanced Mathematical Physics (4) + Lab (4)
3. Embedded systems- Introduction to Microcontroller (4) + Lab (4)
4. Nuclear and Particle Physics (5) + Tutorial (1)
5. Physics of Devices and Communication (4) + Lab (4)
6. Astronomy and Astrophysics (5) + Tutorial (1)
7. Atmospheric Physics (4) + Lab (4)
8. Biological physics (5) + Tutorial (1)

Even Semester:

9. Advanced Mathematical Physics-II (5) + Tutorial (1)
10. Communication System (4) + Lab (1)
11. Applied Dynamics (4) + Lab (4)
12. Verilog and FPGA based system design (4) + Lab (4)
13. Classical Dynamics (5) + Tutorial (1)
14. Digital Signal processing (4) + Lab (4)
15. Nano Materials and Applications (4) + Lab (4)
16. Physics of the Earth (5) + Tutorial (1)
17. Medical Physics (4) + Lab (4)
18. Dissertation

Skill Enhancement Courses (02 to 04 papers) (Credit: 02 each)- SEC1 to SEC4

1. Physics Workshop Skills
2. Computational Physics Skills
3. Electrical circuits and Network Skills

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4. Basic Instrumentation Skills
5. Renewable Energy and Energy harvesting
6. Technical Drawing
7. Radiation Safety
8. Applied Optics
9. Weather Forecasting

Generic Elective Papers (GE) (Minor-Physics) for other Departments/Disciplines: (Credit: 06 each)

Odd Semesters (1ˢᵗ and 3ʳᵈ semesters)

1. Electricity and Magnetism (4) + Lab (4)
2. Mathematical Physics(4) + Lab (4)
3. Digital, Analog and Instrumentation(4) + Lab (4)
4. Applied Dynamics (4) + Lab (4)
5. Medical Physics (4) + Lab (4)
6. Waves and Optics (4) + Lab (4)
7. Quantum Mechanics (4) + Lab (4)*
8. Communication System (4) + Lab (4)*
9. Verilog and FPGA based system design (4) + Lab (4)*
10. Nano Materials and Applications(4) + Lab (4)*

*Not offered in 1ˢᵗ semester.

Even semesters (2ⁿᵈ and 4ᵗʰ semesters)

11. Mechanics (4) + Lab (4)
12. Elements of Modern Physics (4) + Lab (4)
13. Solid State Physics (4) + Lab (4)
14. Embedded System: Introduction to microcontroller(4) + Lab (4)
15. Biological physics (5) + Tutorials (1)
16. Thermal Physics (4) + Lab (4)
17. Digital Signal processing (4) + Lab (4)
18. Nuclear and Particle Physics (5) + Tut (1)**
19. Astronomy and Astrophysics (5) + Tutorials (1)**
20. Atmospheric Physics (4) + Lab (4)**
21. Physics of the Earth (5) + Tutorials (1)**

**Not offered in 2ⁿᵈ semester.

UNIVERSITY OF DELHI

DEPARTMENT OF MATHEMATICS

UNDERGRADUATE PROGRAMME
(Courses effective from Academic Year 2015-16)

SYLLABUS OF COURSES TO BE OFFERED
Core Courses, Elective Courses & Ability Enhancement Courses

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CHOICE BASED CREDIT SYSTEM (CBCS):

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   2.3 **Generic Elective (GE) Course**: An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.
      P.S.: A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.
3. **Ability Enhancement Courses (AEC)/Competency Improvement Courses/Skill Development Courses/Foundation Course:** The Ability Enhancement (AE) Courses may be of two kinds: AE Compulsory Course (AECC) and AE Elective Course (AEEC). "AECC" courses are the courses based upon the content that leads to Knowledge enhancement. They ((i) Environmental Science, (ii) English/MIL Communication) are mandatory for all disciplines. AEEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc.
   3.1 AE Compulsory Course (AECC): Environmental Science, English Communication/MIL Communication.
   3.2 AE Elective Course (AEEC): These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based instruction.

Project work/Dissertation is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A Project/Dissertation work would be of 6 credits. A Project/Dissertation work may be given in lieu of a discipline specific elective paper.

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Dhaula Kuan, New Delhi-110021

Details of courses under B.A (Honors), B.Com (Honors) & B.Sc. (Honors)

Course	*Credits	
	Theory+ Practical	Theory + Tutorial

I. Core Course

(14 Papers)   14X4= 56   14X5=70

Core Course Practical / Tutorial*

(14 Papers)   14X2=28   14X1=14

II. Elective Course

(8 Papers)

A.1. Discipline Specific Elective   4X4=16   4X5=20

(4 Papers)

A.2. Discipline Specific Elective

     Practical/ Tutorial*   4 X 2=8   4X1=4

(4 Papers)

B.1. Generic Elective/

     Interdisciplinary   4X4=16   4X5=20

(4 Papers)

B.2. Generic Elective

     Practical/ Tutorial*   4 X 2=8   4X1=4

(4 Papers)

- **Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses

1. **Ability Enhancement Compulsory**

(2 Papers of 2 credit each)   2 X 2=4   2 X 2=4

     Environmental Science

     English/MIL Communication

2. **Ability Enhancement Elective** (Skill Based)

     (Minimum 2)   2 X 2=4   2 X 2=4

(2 Papers of 2 credit each)

Total credit   140   140

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

* wherever there is a practical there will be no tutorial and vice-versa

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Structure

	Core Course (14)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Elective Discipline Specific DSE (4)	Elective: Generic (4)
I	C 1 Calculus (including practicals)	(English communication/MIL) /Environmental Science			GE-1
	C 2 Algebra				
II	C 3 Real Analysis	(English communication/MIL) /Environmental Science			GE-2
	C 4 Differential Equations (including practicals)				
III	C 5 Theory of Real functions		SEC-1 LaTeX and		GE-3

			HTML		
	C 6 Group Theory-I				
	C 7 Multivariate Calculus (including practicals)				
IV	C 8 Partial Differential Equations (including practicals)		SEC-2 Computer Algebra Systems and Related Softwares		GE-4
	C 9 Riemann Integration & Series of functions				
	C 10 Ring Theory & Linear Algebra-I				
V	C 11 Metric Spaces			**DSE-1 (including practicals)** **(i)** Numerical Methods or (ii) Mathematical Modeling and Graph Theory **or** **(iii)** C++ Programming **DSE-2** (i) Mathematical Finance or (ii) Discrete Mathematics	

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				or (iii) Cryptography and Network Security	
	C 12 Group Theory-II				

VI	C 13 Complex Analysis (including practicals)			**DSE-3**
				
				(i) Probability theory & Statistics
				    or
				(ii) Mechanics
				    or
				(iii) Bio-Mathematics
				
				DSE-4
				
				(i) Number Theory
				    or
				(ii) Linear Programming and Theory of Games
				    or
				(iii) Applications of Algebra	

	C 14 Ring Theory and Linear Algebra-II				

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UNIVERSITY OF DELHI

MASTER OF ZOOLOGY

(MSZOOL)

(Effective from Academic Year 2019-20)

PROGRAMME BROCHURE

XXXXX Revised Syllabus as approved by Academic Council on XXXX, 2018 and

Executive Council on YYYY, 2018

(Head of the Department)
4th September 2018

C. Sheela Reddy

III. M.Sc. Zoology Programme Details:

Programme Objectives (POs):

The programme **M.Sc. in Zoology** aims to equip students with recent advances in Zoology from organismic to reductionist biology. It also aims to empower students to understand the challenges of society and the country that falls into the realms of Zoology, such as Aquaculture, Reproductive health, Behavior and Biological time keeping, Cancer Biology, Microbiome and their roles in health and diseases, Bioremediation of pollutants and pesticides, etc. It also offers students to a series of elective courses so that they can choose to specialize in the specific area of their interests in Zoology.

Keeping the true spirit of choice-based credit system scheme, close to 40% of the total credits are offered as elective courses. First and second semester courses are offered as core-courses, and in that 33% credits are assigned for lab work and hands-on experience. At third semester, to choose two elective courses, a student has a bouquet of sixcourses divided in two groups. The open elective has been chosen to attract students from diverse interdisciplinary areas of sciences, such as Anthropology, Environmental studies, Biomedical Sciences, etc. This course is designed to ignite the inquisitive mind to enter in to research in interdisciplinary areas. The fourth semester offers a total of 16 elective courses, which for logistics of programme management, are divided in to four streams, where a student has to choose a stream. In the fourth semester also, the major emphasis is on skill-based training into socially relevant areas of Zoology.

These courses are open for admission to students from Zoology (Hons.) to Life Sciences and Biomedical sciences if they have studied Zoology and Chemistry as generic elective at undergraduate level under CBCS scheme.

ProgrammeSpecific Outcomes (PSOs):

It is expected that a student after successfully completing four semesters of **M.Sc. in Zoology programme** would sufficiently be skilled and empowered to solve the problems in the realms of Zoology and its allied areas. They would have plethora of job opportunities in the education, environment, agriculture-based, and health related sectors. The bright and ignited mind may enter into research in the contemporary areas of Zoological/Biological Sciences. The broad skills and the deeper knowledge in the field would make them highly successful and excellent researcher in advanced areas of research in the Biological sciences.

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Dhaula Kuan, New Delhi-110021

Programme Structure:

The **M.Sc. in Zoology**programme is a two-year course divided into four-semester. A student is required to complete **94** credits for the completion of course and the award of degree.

		Semester	Semester
Part – I	First Year	Semester I	Semester II
Part – II	Second Year	Semester III	Semester IV

Course Credit Scheme

Semester	Core Courses			Elective Course			Open Elective Course			Total Credits
	No. of papers	Credits (L+P)	Total Credits	No. of papers	Credits (L+P)	Total Credits	No. of papers	Credits (L+P)	Total Credits	
I	5	16L+6P	22	-	-	-	-	-	-	22
II	5	16L+6P	22	-	-	-	-	-	-	22
III	2	8L+4P	12	2	8L+ 4P	12	1	4L	4	28
IV	-	-	-	5	16L+6P	22	-	-	-	22
Total Credits for the Course	12	40L+18P	**56**	6	24L+10P	**34**	1	4L	**4**	**94**

- For each Core and Elective Courses (4 credit each), there will be 4 lecture hours of teaching per week. For practical (1 credit) will be of two hours of practical every week. Therefore, for a 6 credit practicals, there will be 12 hours of practicals every week.
- Open Electives will be of 4 credits.

UNIVERSITY OF DELHI

One Year P.G. Diploma Course
in
Molecular & Biochemical Technology

SCHEME OF EXAMINATION
&
COURSE OF STUDEY FOR SEMESTER SYSTEM

Effective from the Academic Year 2011-2012

C. Sheela Reddy

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Dhaula Kuan, New Delhi-110021

1. **Affiliation:** The Programme shall be governed by the Department of Biochemistry, University of Delhi, South Campus under the Faculty of Interdisciplinary & Applied Sciences.

2. **Programme Structure and Codification of Papers:**

EXAMINATION SCHEME:

Semester - I

Theory		Marks	
PGD MB 101	Biophysical Techniques-I	100	
PGD MB 102	Recombinant DNA Technology-I	100	
PGD MB 103	Immunology-I	100	
Practical Examination			
PGDMB L104	Labwork-I	50	
PGDMB L105	Labwork-II	50	
PGDMB L106	Labwork-III	50	
	Viva	50	
	Total	**500**	

Semester – II

Theory		Marks	
PGD MB 201	Biophysical Techniques-II	100	
PGD MB 202	Recombinant DNA Technology-II	100	
PGD MB 203	Immunology-II	100	
Practical Examination			
PGDMB L204	Labwork-IV	50	
PGDMB L205	Labwork-V	50	
PGDMB L206	Labwork-VI	50	
	Viva	50	
	Total	**500**	

Grand Total: Ist Semester + IInd Semester = 1000

In each paper, 70% marks are for end Semester Examination while 30% marks are for internal assessment

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UNIVERSITY OF DELHI

MASTER OF SCIENCE in PHYSICS

M. Sc. (Physics)

(Effective from Academic Year 2018-19)

PROGRAMME BROCHURE

M.Sc. (Physics)Revised Syllabus as approved by Academic Council on XXXX, 2018
and Executive Council on YYYY, 2018

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Physics, Statistical Physics, Electromagnetic Theory, Solid State Physics, Electronics, Nuclear and Particle Physics along with Atomic and Molecular Physics. Creative thinking and problem-solving capabilities are also aimed to be encouraged through tutorials. The elective and open elective courses are designed for more specialized and/or interdisciplinary content to equip students with a broader knowledge base. The core and elective labs are designed to develop an appreciation for the fundamental concepts and working of devices used in everyday life employing scientific methods/tools of physics. Computational physics course is aimed to equip the students to use computers as a tool for scientific investigations/understanding. The dissertation(s) in both theory and experimental stream are expected to give a flavor of how research leads to new findings. In addition, the M.Sc. course is to lay a solid foundation for a doctorate in Physics/allied subjects later.

III.2 Programme Specific Outcomes (PSOs)

• Understanding the basic concepts of physics particularly concepts in classical mechanics, quantum mechanics, statistical mechanics and electricity and magnetism to appreciate how diverse phenomena observed in nature follow from a small set of fundamental laws through logical and mathematical reasoning.

• Learn to carry out experiments in basic as well as certain advanced areas of physics such as nuclear physics, condensed matter physics, nanoscience, lasers, and electronics.

• Understand the basic concepts of certain sub fields such as nuclear and high energy physics, atomic and molecular physics, solid state physics, and plasma physics, and astrophysics, general theory of relativity, nonlinear dynamics and complex system.

• Gain hands-on experience to work in applied fields.

• Gain a through grounding in the subject to be able to teach it at college and school levels.

• Viewing physics as a training ground for the mind developing a critical attitude and a faculty of logical reasoning that can be applied to diverse fields.

III.3 Programme Structure

The M. Sc. programme is a two-year course divided into four-semesters. A student is required to complete 72 credits for the completion of the course and the award of degree. The M.Sc. Physics Programme would make the students competent in a natural science, viz., Physics, and help them understand its role in modern day technology. Overall, the course would enable the students to understand the fundamental concepts and experimental methods of physics which would help them to innovate/apply/generate new devices/applications/insights/knowledge. Knowledge gained through the open electives would be an asset in branching out in fields other than physics.

		Semester	Semester
Part – I	First Year	Semester I	Semester II
Part – II	Second Year	Semester III	Semester IV

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Course Credit Scheme for M.Sc. Physics

Semester	Core Courses			Elective Course			Open Elective Course*			Total Credits
	No. of papers	Credits (L+T+P)	Total Credits	No. of papers	Credits (L+T+P)	Total Credits	No. of papers	Credits (L+T+P)	Total Credits	
I	05	12+4+4	20	0	0	0	0	0	0	20
II	05	12+4+4	20	0	0	0	0	0	0	20
III	02	3+1+4	08	3/2	3+1+0 / 0+0+4	12/8	0/1	3+1+0	0/4	20
IV	01	3+1+0	04	4/3	3+1+0 / 0+0+4	16/12	0/1	3+1+0	0/4	20
Total Credits for the Course			52			$24^{\dagger}/20$			$4^{\dagger}/8$	80

L= Lecture, T = Tutorial, P = Practical

*Each student must take at least one and at most two 4-credit open elective course(s) during the M. Sc. Programme.

† Credit for at least one open elective course is accounted for.

❖ Each Theory course is of 4 credits for which there will be 4 hours of lectures/tutorials per week. Each practical course is also of 4 credits for which there will be 8 hours of laboratory work per week.

❖ The maximum marks for each course will be 100. For theory courses 70 marks shall be allocated for the end- semester examination of 3 hours duration and 30 marks for internal assessment. The laboratory courses will be assessed based on continuous evaluation.

III.4 **Eligibility for Admissions**
As per university rules.

III.5 **Assessment of Students' Performance and Scheme of Examination**
As per university rules.

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III.6 Pass Percentage & Promotion Criteria
As per university rules.

III.7 Semester to Semester Progression
As per university rules.

III.8 Conversion of Marks into Grades
As per university rules.

III.9 Grade Points
As per university rules.

III.10 CGPA Calculation
As per university rules.

III.11 Division of Degree into Classes
As per university rules.

III.12 Attendance Requirement
As per university rules.

III.13 Span Period
As per university rules.

III.14 Guidelines for the Award of Internal Assessment Marks

The mode(s) of internal assessment will vary from course to course. The internal assessment marks will be based on performance in tests / quizzes / assignments / project work / presentations / attendance, etc.

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MASTER OF SCIENCE IN CHEMISTRY

TWO YEARS FULL TIME PROGRAMME

RULES, REGULATIONS AND COURSE CONTENTS

Department of Chemistry
Faculty of Science
UNIVERSITY OF DELHI
DELHI – 110007

2009

C. Sheela Reddy

MASTER OF SCIENCE IN CHEMISTRY COURSE

Examination and Scheme of Papers

(i) The duration of the Cours. for the degree of Master of Science in Chemistry shall be two academic years.

(ii) The course is divided into four semesters and there shall be an examination at the end of each semester as given below:

Scheme of Papers

Part I

Semester I-1

		Duration (Hours)	Maximum Marks	Credi
Paper 101	Inorganic Chemistry – I	3	100	4
	(Metal complexes, supra - molecular and photo- inorganic chemistry)			
Paper 102	Organic Chemistry – I (Sterochemistry and reactive intermediates)	3	100	4
Paper 103	Physical Chemistry – I (Quantum chemistry)	3	100	4

Semester I-2

		Duration (Hours)	Maximum Marks	Credi
Paper 201	Inorganic Chemistry – II (Group theory and chemistry of d & f block elements)	3	100	4
Paper 202	Organic Chemistry – II (Spectroscopy and organic synthesis)	3	100	4
Paper 203	Physical Chemistry – II (Statistical mechanics, thermodynamics, kinetics and macromolecules)	3	100	4
Paper 204	Practical Chemistry	18	300	18

Note: The Practical test shall consist of three papers, each of six hours duration, suitably spread over three days and shall be at the end of Semester I -2. 25% of the total marks for the Practical test shall be reserved for the Laboratory Record/ Sessional Work of the candidates and 15% marks for viva-voce.

30 marks (24 marks for internal exam and 6 marks for attendance) in each theory paper are reserved for internal assessment.

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Part II

Semester II-1

		Duration (Hours)	Maximum Marks	Credit
Paper 301	Inorganic Chemistry – III (*Inorganic reaction mechanisms & catalysis and bio-inorganic Chemistry*)	3	100	4
Paper 302	Organic Chemistry – III (*Photochemistry & pericyclic reactions and chemistry of life processes*)	3	100	4
Paper 303	Physical Chemistry – III (*Molecular structure: spectroscopic and diffraction methods*)	3	100	4
Paper 3101	Inorganic Chemistry (Special - I) (*Chemistry of boron and silicon compounds & ligand field theory*)	3	100	4
Paper 3201	Organic Chemistry (Special - I) (*Newer synthetic reactions and reagents & heterocyclic chemistry*)	3	100	4
Paper 3301	Physical Chemistry (Special - I) (*Irreversible thermodynamics, transport phenomena & surface phenomena and fast reactions*)	3	100	4

Semester II-2

(1) *Inorganic Group:*

		Duration (Hours)	Maximum Marks	Credit
Paper 4101	Inorganic Chemistry (Special - II) (*Spectral techniques in inorganic chemistry*)	3	100	4
Paper 4102	Inorganic Chemistry (Special - III) (*Organotransition metal chemistry and advanced bio-inorganic chemistry*)	3	100	4
Paper 4103	Inorganic Chemistry (Special - IV) (*Analytical techniques*)	3	100	4
Paper 4104	Inorganic Chemistry (Special - V) (*Inorganic materials & nuclear and radiochemistry*)	3	100	4
Paper 4105	Practical Inorganic Chemistry	18	300*	18
Paper 4106	Inorganic Chemistry Project & Evaluation	-	100**	4

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Dhaula Kuan, New Delhi-110021

		Duration (Hours)	Maximum Marks	
Paper 4307	Physical Chemistry (Special - VIII) (*Advanced molecular spectra*)	3	100	4
Paper 4308	Physical Chemistry (Special - IX) (*Crystal structure*)	3	100	4
Paper 4309	Physical Chemistry (Special - X) (*Macromolecules*)	3	100	4
Paper 4310	Physical Chemistry (Special - XI) (*Computational methods in chemistry*)	3	100	4
Paper 4311	Physical Chemistry (Special - XII) (*Physical chemistry of materials*)	3	100	4
Paper 4312	Practical Physical Chemistry	18	300*	18
Paper 4313	Physical Chemistry Project & Evaluation	-	100**	4
	TOTAL		2100	96

Note:

(1) In the beginning of the Semester II-1, the students will be required to choose their specialization, viz. Inorganic, Organic or Physical Chemistry. They will take one Special Paper in Semester II-1 and four Papers of the specialization of their choice or, alternatively***, three special papers of the specialization of their choice and one paper out of the special papers offered in the other two specializations in Semester II-2. They will also have to take one Special Practical Test and project work in Semester II-2. For Physical Chemistry (Special) Semester II-2, the number of options available in a particular year (out of Physical Chemistry Special Papers II - XII) will, however, depend on the availability of teachers, and it will be ensured that at least ten students take each course.

(2) * The Practical Tests in each specialization shall consist of three papers, each of 6 hours duration, suitably spread over three days and shall be at the end of the Semester II -2. 25% of the marks will be reserved for the Laboratory Record/ Sessional work of the candidates and 15% marks for viva-voce.

(3) ** A topic will be assigned to the students by the teachers taking practicals in the beginning of the Semester II-1 (by August 15) and they will submit a report by next March 15 each year which will be evaluated by a board of examiners involved in practicals and marks awarded based on project report (60 marks) and presentation/evaluation (40 marks). The pass percentage in the project paper shall be 50%.

(4) 30 marks (24 marks for internal exam and 6 marks for attendance) in each theory paper are reserved for internal assessment.

··· This arrangement will be implemented subject to the availability of logistic support.

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Dhaula Kuan, New Delhi-110021

UNIVERSITY OF DELHI

MASTER OF SCIENCE - BOTANY

(M.Sc. (Bot))

(Effective from Academic Year 2019-20)

PROGRAMME BROCHURE

M.Sc. Botany Revised Syllabus as approved by Academic Council on XXXX, 2018 and

Executive Council on YYYY, 2018

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

Part	Year	Semester	Semester
Part – I	First Year	Semester I	Semester II
Part – II	Second Year	Semester III	Semester IV

Course Credit Scheme - Consolidated

Semester	Core Courses			Elective Course			Open Elective Course			Total Credits
	No. of papers	Credits (L+T/P)	Total Credits	No. of papers	Credits (L+T/P)	Total Credits	No. of papers	Credits (L+T/P)	Total Credits	
I	4	16+00+08	24	0	0+0+0	0	0	0+0+0	0	24
II	4	16+00+08	24	0	0+0+0	0	0	0+0+0	0	24
III	4	16+00+08	24	0	0+0+0	0	1	4+0+0	4	28
IV	0	0+0+0	0	4	16+0+08	24	0	0+0+0	0	24
Total no. of Papers and Credits for the Course	12	48+0+24	72	4	16+0+08	24	1	4+0+0	4	100

*For each Core and Elective Course, there will be **Four** hours of Theory lectures (4 credits) and **four** hours of Practicals (2 credits) per week in a semester (14 weeks).

*Open Electives can be taken for a maximum of 4 credits in semester III.

* Duration of Theory examination of each paper shall be 3 hours and of Practical examination of each paper shall be 6 hours.

* Each paper will be of 150 marks of which, 70 marks shall be allocated for end-semester theory examination, 30 marks for internal assessment and 50 marks for end-semester practical examination. Dissertation will be equivalent to one discipline-specific elective.

Core Courses

Semester I (individually for each semester)				
Number of core courses - 4	Credits in each core course			
Course	Theory	Practical	Tutorial	Credits
Physiology and Biochemistry	4	2	0	6
Microbiology and Phycology	4	2	0	6
Biology of bryophytes, pteridophytes and gymnosperms	4	2	0	6
Plant Systematics	4	2	0	6
Total Credits	16	8	0	24

Semester II (individually for each semester)				
Number of core courses - 4	**Credits in each core course**			
Course	Theory	Practical	Tutorial	Credits
Evolutionary Biology	4	2	0	6
Developmental Biology of Plants	4	2	0	6
Recombinant DNA Technology and Proteomics	4	2	0	6
Pathogens and Pests of Crop Plants	4	2	0	6
Total Credits	16	8	0	24

Semester III (individually for each semester)				
Number of core courses - 4	**Credits in each core course**			
Course	Theory	Practical	Tutorial	Credits
Principles of Ecology and Environmental Science	4	2	0	6
Plant Biotechnology and Resource Utilization	4	2	0	6
Genetics and Cytogenetics	4	2	0	6
Cell and Molecular Biology	4	2	0	6
Total Credits	16	8	0	24

Elective Courses

Semester IV					
	Number of elective courses – Four courses to be selected out of sixteen offered*	**Credits in each Elective course**			
	Elective Courses	Theory	Practical	Tutorial	Credits
1	Cell and Developmental Biology	4	2	0	6
2	Microbial Technology	4	2	0	6
3	Bioinformatics, Computational Biology and Biostatistics	4	2	0	6
4	Genetics, Genomics and Molecular Breeding	4	2	0	6
5	Algae, Environment and Human Welfare	4	2	0	6
6	Genomics and Proteomics	4	2	0	6
7	Topics in Plant Physiology and Biochemistry	4	2	0	6
8	Landscape Ecology	4	2	0	6
9	Agricultural Ecology	4	2	0	6
10	Reproductive Biology of Flowering Plants	4	2	0	6
11	Molecular Interactions of Plants with Symbionts, Pathogens and Pests	4	2	0	6
12	Immunology	4	2	0	6
13	Advances in Archegoniatae	4	2	0	6
14	In Vitro Technologies and Industrial Applications	4	2	0	6

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15	Advanced Plant Systematics	4	2	0	6
16	Advanced Evolutionary Biology	4	2	0	6
	Dissertation*				6
	Total Credits				24

* Please see below for information on Dissertation.

* The top 20% of students in the merit list drawn on the basis of grades/scores obtained in Semester I and II will have an option of opting for Dissertation, which would provide students with the option of research-based specialization in the subject, in lieu of one elective course in Semester IV. This is subject to the limit of one student per teacher who wishes to mentor students during that academic session. At the end of the 4th semester the candidate will submit a dissertation, which will be evaluated by an external examiner along with a presentation and viva-voce examination.

Open Elective courses

Semester III (individually for each semester)				
Number of Open Electives – one to be selected out of the six offered**	Credits in each open elective			
	Theory	Practical	Tutorial	Credits
Climate Change and Ecosystem Function	4	0	0	4
Plant Diversity	4	0	0	4
Plants, People and World History	4	0	0	4
Sustainable Development	4	0	0	4
Plant Curios – Fascinating Plants	4	0	0	4
Plants for Human Welfare	4	0	0	4
Total Credits	4	0	0	4

** Offered to students from outside the Department of Botany

Selection of Elective Courses:

All discipline-specific elective courses (as listed above) would be offered in the relevant semesters (except under unforeseen circumstances leading to physical absence of the concerned faculty member from the Department for the entire semester). Every optional paper would have an upper limit of student number based on the total number of students in an academic semester such that every student is able to select the required number of elective papers in a semester.

Selection of elective courses would be strictly based on merit-cum-choice of students. Merit of the student would be calculated based on the combined total score of the student in the first and second semesters as released by the Examination Branch of Delhi University. Each student would have to mark his/her choice of elective papers from "1....n" for a semester in a form. Selection of elective papers for semester IV would be done towards the end of semester III. Change/Exchange of Elective papers would not be permitted under any circumstances.

C. Sheela Reddy

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Choice Based Credit System (CBCS)

UNIVERSITY OF DELHI

DEPARTMENT OF STATISTICS

Master of Statistics
(M.A./M.Sc. Statistics)
(Effective from Academic Year 2019-20)

Proposed Syllabus

XXXXX Revised Syllabus as approved by Academic Council on XXXX, 2019 and
Executive Council on YYYY, 2019

III. M.A./M.Sc. Statistics Programme Details:

Programme Structure:

M.A./M.Sc. Statistics programme is a two-year course divided into four-semester. A student is required to complete **84** credits for the completion of course and the award of degree.

		Semester	Semester
Part – I	First Year	Semester I	Semester II
Part – II	Second Year	Semester III	Semester IV

Course Credit Scheme:

Semester	Core Courses			Elective Course			Open Elective Course			Total Credits
	No. of Papers	Credits (L+T+P)	Total Credits	No. of Papers	Credits (L+T+P)	Total Credits	No. of Papers	Credits (L+T+P)	Total Credits	
I	5	16+0+4	20							20
II	5	16+0+4	20							20
III	4	12+0+4	16	1	3+0+1	4	1	*	4	24
IV	3	8+0+4	12	2	6+0+2	8				20
Total Credits for the Courses			68			12			4	84

* Details are given in the list of open elective courses.

Semester wise Details:

Semester –I				
Number of Core Courses: 5				
Course code	**Course Title**	**Credits in each core course**		
		Theory	Practical	Tutorial	Credits
MSTC 101	Analysis	4	0	0	4
MSTC 102	Probability Theory	4	0	0	4
MSTC 103	Statistical Methodology	4	0	0	4
MSTC 104	Survey Sampling	4	0	0	4
MSTP 105	Practical –I	0	4	0	4
Total credits in core courses		16	4	0	20
Number of elective courses: 0					
Credits in each course		Theory	Practical	Tutorial	Credits
Total credits in elective courses		0	0	0	0
Number of open electives: 0					
Total credits in open elective courses		0	0	0	0
Total credits in Semester –I		16	4	0	20

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Semester –II

Number of Core courses: 5					
Course code	**Course Title**	**Credits in each core course**			
		Theory	Practical	Tutorial	Credits
MSTC 201	Linear Algebra	4	0	0	4
MSTC 202	Stochastic Processes	4	0	0	4
MSTC 203	Statistical Inference-I	4	0	0	4
MSTC 204	Design of Experiments	4	0	0	4
MSTP 205	Practical –II	0	4	0	4
Total credits in core courses		**16**	**4**	**0**	**20**
Number of elective courses: 0					
Credits in each course		Theory	Practical	Tutorial	Credits
Total credits in elective courses		0	0	0	**0**
Number of open electives: 0					
Total credits in open elective courses		0	0	0	**0**
Total credits in Semester –II		**16**	**4**	**0**	**20**

Semester -III

Number of Core courses: 4					
Course code	**Course Title**	**Credits in each core course**			
		Theory	Practical	Tutorial	Credits
MSTC 301	Statistical Inference-II	4	0	0	4
MSTC 302	Multivariate Analysis	4	0	0	4
MSTC 303	Generalized Linear Model	4	0	0	4
MSTP 305	Practical –III	0	4	0	4
Total credits in core courses		**12**	**4**	**0**	**16**
Number of elective courses: 1					
		Theory	Practical	Tutorial	Credits
Elective Course 1		3	1	0	4
Total credits in elective courses		**3**	**1**	**0**	**4**
Number of open electives: 1					
Total credits in open elective courses		*	*	0	**4**
Total credits in Semester –III		**15 + ***	**5 + ***	**0**	**24**

*Details are given in the list of open elective courses.

Semester –IV

Number of Core courses: 3					
Course code	Course Title	Credits in each core course			
		Theory	Practical	Tutorial	Credits
MSTC 401	Econometrics and Time Series Analysis	4	0	0	4
MSTC 402	Demography, Statistical Quality Control and Reliability	4	0	0	4
MSTP 405	Practical –IV	0	4	0	4
Total credits in each course		**8**	**4**	**0**	**12**
Number of elective courses: 2					
		Theory	Practical	Tutorial	Credits
Elective Course 2		3	1	0	4
Elective Course 3		3	1	0	4
Total credits in elective courses		**6**	**2**	**0**	**8**
Number of open electives: 0					
Total credits in open elective courses		0	0	0	**0**
Total credits in Semester –IV		**14**	**6**	**0**	**20**

List of Elective for Semester-III

Elective Course 1: One optional paper out of the following:		
Course Code: MSTE 304	Course Title	L-T-P
MSTE 304 (i)	Bio-statistics	3-0-1
MSTE 304 (ii)	Operational Research	3-0-1
MSTE 304 (iii)	Non- Parametric Inference	3-0-1
MSTE 304 (iv)	Financial Statistics	3-0-1

List of Elective for Semester-IV

Elective Course II and Elective Course III: Two optional papers out of the following		
Course Code : MSTE 403-404	Course Title	L-T-P
MSTE 403 - 404 (i)	Applied stochastic Processes	3-0-1
MSTE 403 - 404 (ii)	Order statistics	3-0-1
MSTE 403 - 404 (iii)	Bayesian inference	3-0-1
MSTE 403 - 404 (iv)	Advanced survey sampling theory	3-0-1

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MSTE 403 - 404 (v)	Advanced theory of experimental Designs	3-0-1
MSTE 403 - 404 (vi)	Advanced statistical computing and data mining	3-0-1

List of Open Elective Courses

Any one course out of the following		
Course Code : MSTOE 306	Course Title	L-T-P
MSTOE 306 (i)	Data Analysis Using R	2-0-2
MSTOE 306 (ii)	Computational Techniques	2-0-2
MSTOE 306 (iii)	Essentials of Survey Sampling and Experimental Designs	3-0-1
MSTOE 306 (iv)	Actuarial Statistics	3-0-1
MSTOE 306 (v)	Inferential Techniques	3-0-1
MSTOE 306 (vi)	Statistics for Research and Management Studies	2-0-2
XXXXX	Open Elective from other Departments	X-X-X

Selection of Elective Courses:

For selection of elective courses, a student may choose one course in semester III and two courses in semester IV from the lists of options being offered by the Department. .

Teaching:

The faculty of the Department is primarily responsible for organizing lecture work M.A./M.Sc. Statistics. The instructions related to tutorials are provided by the respective registering units under the overall guidance of the Department. Faculty from some other Departments and constituent colleges are also associated with lecture and tutorial work in the Department.
There shall be 90 instructional days excluding examination in a semester.

Eligibility for Admissions:

Admission to Post-Graduate Courses in Statistics leading to a Master's Degree in Statistics will be made through two modes:

Mode-I   :   Direct Admission

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UNIVERSITY OF DELHI

MASTER OF SCIENCE in MATHEMATICS
(MMATH)

(Effective from Academic Year 2019-20)

PROPOSED SYLLABUS

.

III. M.Sc. Mathematics Programme Details:

Programme Objectives (POs):

The M.Sc. Mathematics programme's main objectives are
- To inculcate and develop mathematical aptitude and the ability to think abstractly in the student.
- To develop computational abilities and programming skills.
- To develop in the student the ability to read, follow and appreciate mathematical text.
- Train students to communicate mathematical ideas in a lucid and effective manner.
- To train students to apply their theoretical knowledge to solve problems.
- To encourage the use of relevant software such as MATLAB and MATHEMATICA.

Programme Specific Outcomes (PSOs):

On successful completion of the M.Sc. Mathematics programme a student will
- Have a strong foundation in core areas of Mathematics, both pure and applied.
- Be able to apply mathematical skills and logical reasoning for problem solving.
- Communicate mathematical ideas effectively, in writing as well as orally.
- Have sound knowledge of mathematical modeling, programming and computational techniques as required for employment in industry.

Programme Structure:

The M.Sc. Mathematics programme is a two-year course divided into four semesters. A student is required to complete at least 80 credits for the completion of the course and the award of degree. Of these, 40 credits have to be earned from Core Courses and 40 from Electives (not including open electives).

		SEMESTER	SEMESTER
PART-I	(FIRST YEAR)	Semester I	Semester II
PART-II	(SECOND YEAR)	Semester III	Semester IV

Course Credit Scheme:

Semester	Core Courses			Elective Courses			Open Elective Courses			Total Credits
	No. of papers	Credits (L+T/P)	Total Credits	No. of papers	Credits (L+T/P)	Total Credits	No. of papers	Credits (L+T/P)	Total Credits	
I	04	05	20	Nil	Nil	Nil	Nil		Nil	20
II	04	05	20	Nil	Nil	Nil	Nil		Nil	20
III	Nil			04	05	20	01	02	02	22
IV	Nil			04	05	20	01	02	02	22
Maximum Credits including Open Elective offered by the other departments	40				40				04	88 (4 Credits from open electives of other departments)
Minimum Credits Required	40				40					80 + 04 (4 Credits from open electives)

* For each Core and Elective Course there will be 4 lecture hours and 1 tutorial hour per week.
* Students who have done Bachelor degree in any subject and have studied at least one course of one year duration or two courses of one semester duration in Mathematics are eligible to choose Open Elective Courses offered by the Department of Mathematics.
* Open Elective Courses can be chosen leading to the maximum total of 8 credits.

Selection of Elective Courses:

Under each Elective course a student may choose one course from a basket of three or four options being offered by the Department. In case a particular course is over-subscribed, merit in the previous semester(s) examination(s) will be used to determine course allocations.

Teaching:

The Department of Mathematics is primarily responsible for organizing lecture work for M.Sc. Mathematics programme. Faculty from some other departments and constituent colleges may also be associated with lecture and tutorial work in the department.

Eligibility for Admissions:

Admission is done via two modes – entrance and merit with equal numbers of seats allotted to both modes. The details are as follows:

Mode	Category	Eligibility: Course requirement	Eligibility: Marks requirement
Entrance	1	Bachelor degree in any subject and has studied at least 3 courses each of one year duration or 6 courses each of one semester duration in Mathematics	50% marks in aggregate
Merit	2	B.A./B.Sc. (Hons.) Mathematics degree of University of Delhi	60% marks in aggregate

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Assessment of Students' Performance and Scheme of Examinations:

1. English shall be the medium of instruction and examination.
2. All assessment will be based on Learning Outcomes for the course.
3. Duration of examination of each paper of 5 credits shall be 3 hours while that of 2 credits will be 2 hours.
4. Each Core and Elective (Open Elective offered by Department of Mathematics) paper will be of 100 (50) marks with two components namely internal assessment for 30 (15) marks and end semester examination for 70 (35) marks.

Pass Percentage & Promotion Criteria:

Pass Percentage: 40% or equivalent grade (as per University rules) in each course. A student must score the minimum pass marks in **each** of the Core and Elective courses to be awarded the degree.

Part I to Part II Progression:

For promotion to Part II, a student must have passed in at least four of the core courses of Part I.

Policy for Reappearance:

A student who has to reappear in a paper prescribed for Semester I/III may do so only in the odd Semester examinations to be held in November/December. A student who has to reappear in a paper prescribed for Semester II/IV may do so only in the even Semester examinations to be held in April/May.

Conversion of Marks into Grades: As per University Rules

Grade Points: Grade point table as per University Examination rule

CGPA Calculation: As per University Examination rule.

SGPA Calculation: As per University Examination rule.

Grand SGPA Calculation: As per University Examination rule.

Conversion of Grand CGPA into Marks:

As notified by competent authority the formula for conversion of Grand CGPA into arks is:
Final percentage of marks = CGPA based on all four semesters × 9.5.

Division of Degree into Classes: As per University rules.

Attendance Requirement: 66% attendance in lectures required to appear for the end semester examination while 50% attendance for the in-house examination.

Span Period:

No student shall be admitted as a candidate for the examination for any of the Parts/Semesters

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after the lapse of **four** years from the date of admission to the Part-I/Semester-I of the M.Sc. Mathematics Programme.

Guidelines for the Award of Internal Assessment Marks:

30 (15) marks are allocated for Internal Assessment in each Core and Elective (Open Elective offered by Department of Mathematics) paper. Of this, 20 (10) marks will be based on in-house examinations, with a common question paper across sections, while 10 (5) marks are for evaluation by individual teachers in each Core and Elective (Open Elective offered by Department of Mathematics) paper. This evaluation may be done by the teacher via class tests, assignment, presentations, viva-voce etc.

Semester Wise Details:

SEMESTER I				
Number of Core Courses	Four			
	Credits in each Core Course			
Courses	Theory	Practical	Tutorial	Credits
Core Course 1	04	--	01	05
Core Course 2	04	-	01	05
Core Course 3	04	--	01	05
Core Course 4	04	-	01	05
Total credits in Core Courses	20			
Number of Elective Courses	Nil			
Total credits in Elective Courses	Nil			
Number of Open Elective Courses	Nil			
Total credits in Open Elective Courses	Nil			
Total credits in Semester I	**20**			

SEMESTER II				
Number of Core Courses	Four			
	Credits in each Core Course			
Courses	Theory	Practical	Tutorial	Credits
Core Course 5	04	-	01	05
Core Course 6	04	-	01	05
Core Course 7	04	-	01	05
Core Course 8	04	-	01	05
Total credits in Core Courses	20			
Number of Elective Courses	Nil			
Total credits in Elective Courses	Nil			
Number of Open Elective Courses	Nil			
Total credits in Open Elective Courses	Nil			
Total credits in Semester II	**20**			

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SEMESTER III

Number of Core Courses	Nil			
Total credits in Core Courses	Nil			
Number of Elective Courses	Four			
	Credits in each Elective Course			
Courses	Theory	Practical	Tutorial	Credits
Elective Course 1	04	-	01	05
Elective Course 2	04	-	01	05
Elective Course 3	04	-	01	05
Elective Course 4	04	-	01	05
Total credits in Elective Courses	20			
Number of Open Elective Courses	One			
	Credits in each Open Elective Course			
Course	Theory	Practical	Tutorial	Credits
Open Elective Course 1	02	-	-	02
Total credits in Open Elective Course	02			
Total credits in Semester III	20 + 2 = 22*			

SEMESTER IV

Number of Core Courses	Nil			
Total credits in Core Courses	Nil			
Number of Elective Courses	Four			
	Credits in each Elective Course			
Courses	Theory	Practical	Tutorial	Credits
Elective Course 5	04	-	01	05
Elective Course 6	04	-	01	05
Elective Course 7	04	-	01	05
Elective Course 8	04	-	01	05
Total credits in Elective Courses	20			
Number of Open Elective Courses	One			
	Credits in each Open Elective Course			
Course	Theory	Practical	Tutorial	Credits
Open Elective Course 2	02	-	-	02
Total credits in Open Elective Course	02			
Total credits in Semester IV	20 + 2 = 22*			

* Credits from courses offered by the Department of Mathematics

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UNIVERSITY OF DELHI

MASTER OF ARTS IN HISTORY
(MA HISTORY)

(Effective from Academic Year 2019-20)

PROGRAMME BROCHURE

MA History Revised Syllabus as approved by Academic Council on XXXX,
2019 and Executive Council on YYYY, 2019

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Dhaula Kuan, New Delhi-110021

(vii) 'Credit' means the value assigned to a course which indicates the level of instruction; One-hour lecture per week equals 1 Credit, 2 hours practical class per week equals 1 credit. Credit for a practical could be proposed as part of a course or as a separate practical course

(viii) 'SGPA' means Semester Grade Point Average calculated for individual semester.

(ix) 'CGPA' is Cumulative Grade Points Average calculated for all courses completed by the students at any point of time. CGPA is calculated each year for both the semesters clubbed together.

(x) 'Grand CGPA' is calculated in the last year of the course by clubbing together of CGPA of two years, i.e., four semesters. Grand CGPA is being given in Transcript form. To benefit the student a formula for conversation of Grand CGPA into %age marks is given in the Transcript.

III. Programme Details:

The two year Masters Programme in History provides specialised training to students in world History and Indian History. The course builds upon the training that students have received in their B.A. The elementary objective of this training is consolidating their skills with more complex content. Hence the M.A. curriculum and pedagogy are framed with the aim to draw students into a discussion of the reasons why and how newer questions are posed by historians, how the methodology of engaging with the older questions have changed and what this learning reveals about the craft of historiography itself.

The primary objectives of the MA History are therefore many – a chance to learn how historians think, research, analyse and frame their research. The focus on World History in the first year is useful since these historiographies are remote from the experience of most students. They learn about other societies and cultures and the ways in which scholars have interrogated their sources, and challenged, fine-tuned or built upon each other's research methods and conclusions. More critically, with the emphasis on learning research methods, students discover a range of ways in which the human experiences in differing locales and contexts could be made to speak to the 'realities' of past and present in their own immediate environs.

Since the second year MA courses are more specialised students hone the skills gained in their first year in closer proximity to the sources and their readings on the ancient, medieval and modern periods of Indian history. The objective of these courses is to introduce and train students on how sources were/could be used by different scholars. The larger number of courses are thematically framed around specific subjects, regions or events. Their detailed nature foregrounds the materials upon which questions and narratives are raised.

The training deals with the question not just of 'what happened' but also how we know what happened, how a change in perspective, emphasis and/or method might play a role in determining the shape and thrust of historical knowledge, and how concerns of our present might influence the narrative of our past.. The purpose is to make the students read, describe, engage with and question diverse historiographies with a focus on appreciating how arguments are framed in all their complexities. A large number of thematic courses are designed with a

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view to invite students to observe and analyse how human experiences of the same set of injunctions and institutions in the past could differ due to class, status, gender, race, region, occupation, etc. Thus the MA programme encourages the students to understand but also go beyond 'causation' and other standard questions in history. It invites them to read and reflect on the issue of how to read sources but also on the relationships between historical facts and truths. The idea is to draw attention to the thick and multiple dimensions of the experience that enfold them. How may the historians discover the language and method to articulate this complexity in meaningful ways? More critically, with the emphasis on learning research methods, students discover a range of ways in which the human experiences in differing locales and contexts could be made to speak to the 'realities' of past and present in their own immediate environs.

The objective of the diverse range of courses, readings and different kinds of assignments is to underline that learning is not transacted only orally. Especially in the domain of history, the objective is to train students how historians pose questions, read and marshal their evidence, and transcribe it into a cogent argument. The familiarity of the normal is constantly the subject of reflection and it is here that the requirement to read and write meaningfully extends materials discussed in class lectures. The internal evaluations that are an integral part of the MA curriculum place a strong emphasis upon research based writing and oral presentations. The foundations for many future research projects have their incipient formulations in these assignments.

Programme Structure:

The MA History programme is a two-year course divided into four-semester. A student is required to complete 80 credits for the completion of course and the award of degree.

		Semester	*Semester*
Part – I	First Year	Semester I	Semester II
Part – II	Second Year	Semester III	Semester IV

Course Credit Scheme

Semester	Core Courses			Elective Courses			Open Elective Courses			Total Credits
	No. of Papers	Credits (L & T)	Total Credits	No. of Papers	Credits (L & T)	Total Credits	No. of Papers	Credits (L & T)	Total Credits	
I	1	5	5	3	5	15				20
II				4	5	20				20
III				4	5	20	1	4	4	20+4
IV	1	5	5	3	5	15	1	4	4	20+4

* For each Core and Elective Course there will be 4 lecture hours of teaching per week.
* Open Electives to the maximum total of 8 credits.
* Duration of examination of each paper shall be 3 hours.
* Each paper will be of 100 marks out of which 70 marks shall be allocated for semester examination and 30 marks for internal assessment.

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MASTER OF ARTS
(S A N S K R I T)

TWO YEAR FULL TIME PROGRAMME

REVISED WITH
MINOR CORRECTIONS AND CHANGES & FORMATTED AS
PER CBCS TEMPLATE

RULES, REGULATIONS AND COURSE CONTENTS

DEPARTMENT OF SANSKRIT
FACULTY OF ARTS
UNIVERSITY OF DELHI
DELHI-110007

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3. **Open Elective Course: (OEC)** The Department offers 2 OEC in whole. one OEC in IInd semester as 204 and one OEC in Semester IV as 404. Paper 204 –**Outline of Culture & Civilization as depicted in Sanskrit Literature** is for M.A. students of all subjects including Sanskrit. The second OEC i.e. paper 404- Linguistic Speculations in Sanskrit can be opted by the other department students and by Sanskrit department students who have not studied this paper as main paper earlier.

The schedule of papers prescribed for various semesters shall be as follows:

PART I: Semester I

Core 101	Vaidika Vā☐maya : ☐ksa☐hitā& Nirukta	4+1
Core 102	Poetics: Sāhityadarpa☐a	4+1
Core 103	Sāhitya: Nai☐adha & M☐cchaka☐ika	4+1
Core 104	Outline of Culture & Civilization as depicted in Sanskrit Literature	4+1

PART I: Semester II

Core 201	Darśana: Nyāya & Vedānta	4+1
Core 202	Vyākara☐a: Laghusiddhāntakaumudī	4+1
Core 203	Sāhitya: Meghadūta & Uttararāmacarita	4+1
Open Elective 204	Outline of Culture & Civilization as depicted in Sanskrit Literature This course is meant only for the students of other Departments.	4

PART II: Semester III

Core 301	Linguistic Analysis of Sanskrit, Translation and Laghusiddhānta-Kaumudī	4+1
Core 302	Sāhitya: Kādambarī& Vāsavadattā	4+1

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For paper 303, 304, 401 and 402, there would be following optional groups covering the specialised fields of Sanskrit studies so that students may choose any one group for these papers according to their area of interest:

Elective Group

1. Group A   :   Vaidika Vā☐maya
2. Group B   :   Darśana
3. Group C   :   Sāhityaśāstra
4. Group D   :   Sanskrit Bhā☐ā aur Vyākara☐a
5. Group E   :   Dharmaśāstra
6. Group F   :   Epigraphy
7. Group G   :   Modern Sanskrit Literature
8. Group H   :   Itihāsa & Purā☐a
9. Group I   :   Bhāratīya Jyoti☐aśāstra

Elective Course 303	A/B/C/D/E/F/G/H/I	5+1
Elective Course 304	A/B/C/D/E/F/G/H/I	5+1

PART II: Semester IV

Elective Course 401	A/B/C/D/E/F/G/H/I	5+1
Elective Course 402	A/B/C/D/E/F/G/H/I	5+1
Core 403	Darśana: Sā☐khya & Mīmānsā	4+1
Open Elective 404	**Open Elective for all students** 404- Linguistic Speculations in Sanskrit can be opted by the other department students and by Sanskrit department students who have not studied this paper.	4

LIST OF OPEN ELECTIVE PAPERS

Successful candidates will be classified on the basis of the combined results of Part-I and Part-II examinations as follows:

Candidates securing 60% and above	:	Ist Division
Candidates securing between 49.99% and 59.99%	:	IInd Division
All others	:	Pass

SPAN PERIOD

No student shall be admitted as a candidate for the examination for any of the Parts/Semesters after the lapse of 3 years from the date of admission to the Part-I/Semester I-1 of the M.A. programme.

CREDIT STRUCTURE

Each semester will consist of four courses, where each course would have the following credit structure.

4 Theory periods + 1 Tutorial period = 5 credits for core courses
5 Theory periods + 1 Tutorial periods = 6 credits for Elective Course
4 Theory periods + 0 Tutorial periods = 4 credits for Open Elective Course

Course Credit Scheme

Semester	Core Course			Elective Course			Open Elective Course			Total Credits
	No. of Papers	Credits (L+T/P)	Total Credits	No. of Papers	Credits (L+T/P)	Total Credits	No. of Papers	Credits (L+T/P)	Total Credits	
I	04	4+1	20	-	-	-	-	-	-	20
II	03	4+1	15	-	-	-	01	04	04	19
III	02	4+1	10	02	5+1	12	-	-	-	22
IV	01	4+1	05	02	5+1	12	01	04	04	21
Total Credits			50			24			08	82

ATTENDANCE REQUIREMENT

No student shall be considered to have pursued a regular course of study unless he/she is certified by the Head of the Department of Sanskrit, University of Delhi, to have attended 75% of the total number of lectures, tutorials and seminars conducted in each semester, during his/her course of study. Provided that he/she fulfils other conditions, the Head, Department of Sanskrit may permit a student to the next Semester who falls short of the required percentage of

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UNIVERSITY OF DELHI
MASTER OF ARTS

(Effective from Academic Year 2019-20)

PROGRAMME BROCHURE

M A English Revised Syllabus as approved by Academic Council on XXXX, 2018 and

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The English programme is a two-year course divided into four-semesters. A student is required to complete 83 credits for the completion of course and the award of degree.

Course Credit Scheme

Semester	Core Courses			Elective Course			Open Elective Course			Total Credits
	No. of papers	Credits (L+T/P)	Total Credits	No. of papers	Credits (L+T/P)	Total Credits	No. of papers	Credits (L+T/P)	Total Credits	
I	02	(4+1) x 2	10	02	(4 + 1) x 2	10	Nil			20
II	02	(4+1) x 2	10	02	(4 + 1) x 2	10	01	4 x 1	4	24
III	02	(4+1) x 2	10	02	(4 + 1) x 2	10	Nil			20
IV	02	(4+1) x 2	10	01	5 x 1 = 5	5	01	4 x 1	4	19
Total Credits for the Course	40				35				08	83

Semester I/II/III/IV (individually for each semester)				
Number of core courses		**Credits in each core course**		
Course	Theory	Practical	Tutorial	Credits
Core course 1	4		1	5
Core course 2	4		1	5
Core course 3	4		1	5
Core Corse 4	4		1	5
Core Corse 5	4		1	5
Core Corse 6	4		1	5
Core Corse 7	4		1	5
Core Corse 8	4		1	5
Total credits in core course	40			

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Number of elective courses	Credits in each Elective course			
Credits in each elective course	Theory	Practical	Tutorial	Credits
Elective course 1	4		1	5
Elective course 2	4		1	5
Elective course 3	4		1	5
Elective course 4	4		1	5
Elective course 5	4		1	5
Elective course 6	4		1	5
Elective course 7	4		1	5
Total Credits in Elective Courses	**35**			

Number of Open Electives	Credits in each open elective			
	Theory			Credits
Open Elective 1	4			4
Open Elective 2	4		4	
Total credits in Open Elective 08				
Total credits in Semester I/II/III/IV 83				

* For each Core and Elective Course there will be 4 lecture hours of teaching per week.
* Open Electives to the maximum total of 8 credits.
* Duration of examination of each paper shall be 3 hours.
* Each paper will be of 100 marks out of which 70 marks shall be allocated for semester examination and 30 marks for internal assessment.

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