

UNIVERSITY OF DELHI

No. CNC-II/093/2016-17/78
Delhi, the 23rd May, 2016

NOTIFICATION

Sub: Amendments to Ordinances

The following Amendments to the Ordinances and Appendices to the Ordinances of the University passed by the Executive Council at its meeting held on 13th October, 2015 are notified for information of all concerned:

- 1. Amendment to Ordinance XX (K) regarding merger of “Institute of Information and Communication (IIC)” and “Centre for Science Education and Communication (CSEC)” with Cluster Innovation Centre (CIC). (Page no. 506 of University Calendar Vol – I (2004) (E.C. 13.10.2015).**

Existing	Amended
<p>There shall be a Cluster Innovation Centre (CIC) in the University of Delhi with the following objectives to:</p> <ol style="list-style-type: none">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.	<p>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:</p> <p>1 to 7. No Change</p>

	<p>Add the following:</p> <p>8. Generation of ideas and materials for the improvement of science education and promotion of wider interest in science and scientific issues.</p> <p>9. Serve as an inter-disciplinary centre for humanities, social sciences pure and applied sciences.</p>
<p>Advisory Body</p> <p>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.</p> <p>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.</p>	<p>Advisory Body</p> <p>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.</p> <p>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.</p>
<p>Governance</p> <p>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:</p> <ol style="list-style-type: none"> 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 	<p>Governance</p> <p>No Change</p> <p>1 to 10</p> <p>No Change</p>

<p>9. Director – Member Secretary 10. Joint Director</p> <p>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.</p> <p>1 – 9 XXXXXXXXX</p>	<p>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.</p> <ol style="list-style-type: none"> 1. To chart out the programme and 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.
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	<p>10. Make such rules as it may consider necessary for the regulation and smooth functioning of these Units from time to time.</p>
<p>The Academic Staff</p> <p>Director and Joint Director</p> <ol style="list-style-type: none"> 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 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. 	<p>The Academic Staff</p> <p>Director and Joint Director</p> <p>1-5. No Change</p> <p>Add the following:</p> <ol style="list-style-type: none"> 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.

	<p>The Governing body may extend the term of Programme Coordinator.</p> <p>9. The Programme Coordinators will be ex-officio members of the Advisory Body.</p> <p>10. The Programme Coordinator will perform the duties of the Head/ In-Charge of the respective Unit besides teaching and other assignments.</p>
	<p>Programmes</p> <p>(i) The erstwhile CIC, IIC and CSEC shall continue all their existing programmes and activities under the aegis of CIC.</p> <p>(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:</p> <ul style="list-style-type: none"> (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. <p>(iii) 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.</p> <p>(iv) The Unit may also conduct short duration certificate course.</p>

2. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding revision of syllabus of M. Pharma I and II. (E.C. 13.10.2015).

**Master of Pharmacy Course (M. Pharm)
M. Pharmacy I & II
M. Pharmacy Curriculum**

1. There shall be a course leading to Master of Pharmacy (M. Pharm) Degree in each of the following subjects, under the Faculty of Science.
 - (i) Hospital & Clinical Pharmacy
 - (ii) Pharmaceutical Chemistry
 - (iii) Pharmaceutics
 - (iv) Herbal Drug Technology
 - (v) Pharmacology
 - (vi) Pharmaceutical Management
 - (vii) Quality Assurance
 - (viii) Clinical Research
2. The duration of the course shall be two academic years
3. A candidate seeking admission to M. Pharma Course must have passed the Bachelor of Pharmacy Examination with at least 50% marks, from the University of Delhi or any other examination recognized by the University as equivalent thereto, and also must possess such other qualifications including passing of an Entrance Examination written and/or practical, and/or, as may be prescribed by the Academic Council from time to time.
4. A Candidate seeking admission to M. Pharm Course must be at least twenty years of age before the first day of October in the years in which he/she seeks admission. However, the Vice-Chancellor may relax the age limit to a maximum period of six months.
5. There shall be an examination at the end of each academic year Part-I examination (Comprising of Section A &B) at the end of the first year and Part-II examination at the end of second year.

The examination in Part-II shall consist of a thesis and viva voce.

6. A candidate registered for the course shall not be deemed to have satisfied the required condition of the attendance unless he/she has attended not less than 75% of the lecture and practical separately in each subject in order to be eligible for admission to Part-I (first year) Examination.

No candidate shall be allowed to appear at the Part-II (second year) examination unless the supervisor guiding the candidate for the thesis work has reported that he is satisfied about the candidate's work

during the year, provided that such a report from the supervisor shall be to the satisfaction of the head of the institution.

7. Scheme of Examination

Part-I (in two semesters - Semester I & Semester II)

The first semester consists of Modern Pharmaceutical Analysis with practical and the Paper-I and Paper-II of each specialisation.

The second semester consists of Drug Regulatory Affairs & Pharmacovigilance with Paper-III and Paper-IV of each specialisation. The practical examination of the specialisation will be held in 2nd Semester.

The **section A** shall consist of the following papers and shall be common for all the branches of the M.Pharm degree course and shall consist of:

Written (i) Modern Pharmaceutical	3hrs	100 marks
Practical Analytical techniques	6hrs	100 marks

(ii) Drug Regulatory Affairs & Pharmacovigilance (including IPR) 3 hours 100 marks **Section B** of the examination shall consist of four written papers and one practical from one of the following branches:

- (i) Hospital & Clinical Pharmacy
- (ii) Pharmaceutical Chemistry
- (iii) Pharmaceutics
- (iv) Herbal Drug Technology
- (v) Pharmacology
- (vi) Pharmaceutical Management
- (vii) Quality Assurance
- (viii) Clinical Research

Branch I Hospital & Clinical Pharmacy

Written Hospital & Clinical Pharmacy I	3 hrs.	100 marks
Hospital & Clinical Pharmacy II	3 hrs.	100 marks
Hospital & Clinical Pharmacy III	3 hrs.	100 marks
Hospital & Clinical Pharmacy IV	3 hrs.	100 marks
Practical: Hospital & Clinical Pharmacy	12 hrs.	100 marks

Branch II Pharmaceutical Chemistry		
Written Pharmaceutical Chemistry I	3 hrs.	100 marks
Pharmaceutical Chemistry II	3 hrs.	100 marks
Pharmaceutical Chemistry III	3 hrs.	100 marks
Pharmaceutical Chemistry IV	3 hrs.	100 marks
Practical: Pharmaceutics Chemistry	12 hr.	100 marks
Branch III Pharmaceutics	3 hrs.	100 marks
Written Pharmaceutics I	3 hrs.	100 marks
Pharmaceutics II	3 hrs.	100 marks
Pharmaceutics III	3 hrs.	100 marks
Pharmaceutics IV		
Practical: Pharmaceutics	12 hr.	100 marks
Branch IV Herbal Drug Technology		
Written Herbal Drug Technology I	3 hrs.	100 marks
Herbal Drug Technology II	3 hrs.	100 marks
Herbal Drug Technology III	3 hrs.	100 marks
Herbal Drug Technology IV	3 hrs.	100 marks
Practical: Herbal Drug Technology	12hrs.	100 marks
Branch V Pharmacology		
Written Pharmacology I	3 hrs.	100 marks
Pharmacology II	3 hrs.	100 marks
Pharmacology III	3 hrs.	100 marks
Pharmacology IV	3 hrs.	100 marks
Practical: Pharmacology	12 hr.	100 marks
Each Practical examination shall be conducted by a Board of Examiners of which at least 50% members shall be external.		
Branch VI Pharmaceutical Management		
Written		
Pharmaceutical Management I	3 hrs.	100 marks
Pharmaceutical Management II	3 hrs.	100 marks
Pharmaceutical Management III	3 hrs.	100 marks
Pharmaceutical Management IV	3 hrs.	100 marks
Practical: Pharmaceutical Management	12 hr.	100 marks

Branch VII Quality Assurance		
Written Quality Assurance I	3 hrs.	100 marks
Quality Assurance II	3 hrs.	100 marks
Quality Assurance III	3 hrs.	100 marks
Quality Assurance IV	3 hrs.	100 marks
Practical: Quality Assurance	12 hr.	100 marks

Branch VIII Clinical Research		
Written Clinical Research I	3 hrs.	100 marks
Clinical Research II	3 hrs.	100 marks
Clinical Research III	3 hrs.	100 marks
Clinical Research IV	3 hrs.	100 marks
Practical: Clinical Research	12 hr.	100 marks

8. **Part II Thesis**

“Only candidates who have passed at least the half of number of courses written and practical taken together as in the case of other Post graduate Science Courses of Part –I (1st year) shall be permitted to pursue the Part-II (second year) of Course.”

The Examination in Part-II shall consist of a thesis and viva-voce.

THESIS	500 marks
VIVA-VOCE	100 marks

Thesis

(1) The subject of the thesis shall be approved on the recommendation of the Supervisor & the Head of Department by the Committee Courses & Studies in Pharmacy. The topic for thesis will be given within three months of admission in first year.

(2) A candidate shall not be entitled to submit the thesis unless he/she pursued his/her research for a period of not less than one year under the guidance of the supervisors.

9. Provided further that the Committee may appoint supervisors in any particular case.

Every candidate shall submit three printed or typed copies of his/her thesis duly bounded by the 31 March every year through the supervisor/s Under very special circumstances the last date for submission of the thesis may be extended by ONE MONTH with the permission of the Head of Department of Pharmacy. On receipt of thesis the University shall appoint two examiners, one external and one Internal to examine the thesis and conduct the viva-voce.

The thesis shall embody the result of the applicant’s own research. The candidates shall indicate in their thesis in what respect their contribution appears to them to advance the knowledge of the subject.

10. The Examiners shall assess the thesis and award marks for the thesis and the Viva Voce jointly.

In case the candidate fails to secure the minimum pass marks on the combined performance of the thesis and vice-voce he/she may revise the thesis in the light of the suggestion of the Examiners or submit a fresh thesis on his/her being enrolled as an ex- student in relation to the next years

examinations. A re-submitted thesis will be examined by the same Examiners unless they are unable or un-willing to act as Examiners. Re- submission of the thesis shall be permitted after the candidate put in three month of research work and re-submit the same within six months from the date of publication of result in the first instance and after at least one year of research work when thesis is rejected subsequently.

11. A candidate admitted to the M.Pharm. Course should pass the Degree Examinations within FOUR YEARS from the date admission.

12. Results

Part – I A candidate must have obtained at least 50% (Grade ‘B’ according to the grading system) in each of theory papers and practicals separately in order to be declared to have passed the first year of the Examinations.

Part – II A candidate must have obtained at least 50% (Grade ‘B’ according to grading system) in the thesis and Viva-Voce (combined) to be declared to have passed the part – II of the examination.

3. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding revision of syllabus of M.A. Philosophy from the academic session 2015-2016. (E.C. 13.10.2015).

Master of Arts (Philosophy)

Programme Structure

The Philosophy Programme is divided into Two Parts as under. Each Part will consist of two Semesters.

Part	Year	Semester-1	Semester- 2
Part – I	First Year	Semester-I-1	Semester-I-2
Part - II	Second Year	Semester-II-1	Semester-II-2

The schedule of papers prescribed for various semesters shall be as follows:

PART I: Semester –I- 1

Paper 1: PHIL 101: Classical Indian Philosophy I

Paper 2: PHIL 102: Greek Philosophy

Paper 3: PHIL 103: Formal Logic

Paper 4: PHIL 104: Ethics

PART I: Semester –I- 2

Paper 1: PHIL 201: Classical Indian Philosophy II

Paper 2: PHIL 202: History of Western Philosophy

Paper 3: PHIL 203: Meta Ethics/ Phil 204: Critical Philosophical Traditions of India

*Paper 4: Optional Course I:

Any One course out of the following list of Interdisciplinary and Optional Courses:

PHIL 211: Aristotle's Metaphysics

PHIL 212: Gandhi and Libertarian Socialism

PHIL 213: Philosophical Reflections on Literature

PHIL 214: The Feminist Thought

PHIL 215: Approaches to Environmental Ethics

PHIL 216: Exploring Philosophy through Films

PHIL 217: Meaning of Life

PHIL 218: Logical Thinking in Everyday Life

PART II: Semester –II- 1

Paper 1: PHIL 301: Analytic Philosophy

Paper 2: PHIL 302: Continental Philosophy I

Paper 3: PHIL 303: Social & Political Philosophy (Western)/Phil 304 Social and Political (Indian)/PHIL 305
Philosophy of Mind (Western)/Phil: 306 Indian Philosophy of Mind, Self and Person

*Paper 4: Optional Course II:

Any One course out of the following list of Optional Courses:

PHIL 311: Environmental Ethics

PHIL 312: Ethics in Buddhism

PHIL 313: Philosophy of Human Rights

PHIL 314: Imagination and Symbolization

PHIL 315: Indian Philosophy of Language

PHIL 316: Approaches to Cognitive Science

PHIL 317: Foundations of Cognitive Science

PHIL 318: Indian Aesthetics

PHIL 319: Understanding Multiculturalism

PHIL 320: Philosophy of Biology

PHIL 321: Virtue Epistemology

PHIL 322: Political Liberalism and Communitarianism

PHIL 323: Philosophy of B. R. Ambedkar

PHIL 324: Contemporary Indian Reflections on Vedanta

PHIL 325: The Indian Modernity

PART II: Semester –II-- 2

Paper 1: PHIL 401: Philosophy of Language/PHIL 402: Continental Philosophy
II/Phil 403 Critical Reading of Western Philosophy

Paper 2: PHIL 404: Philosophy of Religion/ PHIL 405: Philosophy of Science

*Papers 3& 4: Optional Courses III & IV:

Any Two courses out of the following list of Optional and Interdisciplinary Courses:

PHIL 411: Śaṅkara's Advaita Vedānta

PHIL 412: Phenomenology: Vasubandhu and Husserl

PHIL 413: Knowledge and Scepticism

PHIL 414: From Language to Mind
PHIL 415: Mind, Modularity and Cognition
PHIL 416: Theories of Consciousness
PHIL 417: Current Issues in Philosophy of Biology
PHIL 418: Feminist Theory
PHIL 419: Theory of Signs and the Semiotic Method
PHIL 420: Personal Identity and Accountability
PHIL 421: Debates in Contemporary Indian Philosophy: Gandhi & Tagore
PHIL 422: Language and Thought
PHIL 423: On Conceptual Relativism
PHIL 424: Philosophy of Action
PHIL 425: Wittgenstein on Aspect Perception
PHIL 426: The Philosophy of Kashmir Saivism
PHIL 427: Phenomenology and Ethics of Meditation
PHIL 428: The Embodied Enactive Cognition
PHIL 429: Concepts: New Directions
PHIL 430: On Conditionals
PHIL 431: Theories of Truth
PHIL 432: Historiography of Indian Philosophy
PHIL 433: Religion and Ecology
PHIL 434: Technology and Ethics
PHIL 435: Philosophy of Contemporary Social Movements
PHIL 436: Theories of Self (Only IDC)
PHIL 437: Aspects of Cognitive Science (Only IDC)
PHIL 438: A Seminar on Concepts (Only IDC)
PHIL 439: Philosophy of History (Only IDC)
PHIL 440: The Essay Course

* The Optional Courses shall be offered at the discretion of the Department. These courses may also be offered to students belonging to any of the following Departments:

1. Buddhist Studies
2. Economics
3. English Language and Literature
4. German and Romance Studies
5. Hindi Language and Literature
6. History
7. Linguistics
8. Modern Indian Languages
9. Persian
10. Political Science
11. Psychology
12. Sanskrit
13. Sociology

SCHEME OF EXAMINATIONS

1. The medium of instructions and examination shall be as per policies and regulations of the University of Delhi.
2. Examinations shall be conducted at the end of each Semester as per the Academic Calendar notified by the University of Delhi.

3. The system of evaluation shall be as follows:

Each Course will carry 100 marks, of which 30 marks shall be reserved for internal assessment based on classroom participation, seminar, term papers, tests, viva-voce, and attendance. The weightage given to each of these components shall be decided and announced at the beginning of the semester by the individual teacher responsible for the course. Any student who fails to participate in classes, seminars, term papers, tests, viva-voce, will be debarred from appearing in the end semester examination in the specific course and no Internal Assessment marks will be awarded to such a candidate. His/her Internal Assessment marks will be awarded as and when he/she attends regular classes in the course in the next applicable semester. No special classes will be conducted for him/her during other semesters.

The remaining 70 marks in each paper shall be awarded on the basis of a written examination at the end of each semester. The duration of written examination for each paper shall be three hours.

4. Examinations for courses shall be conducted only in the respective odd and even Semesters as per the Scheme of Examinations. Regular as well as Ex-students shall be permitted to appear/re-appear/improve in courses of Odd Semesters only at end of Odd Semesters and courses of Even Semesters only at the end of Even semesters.

PASS PERCENTAGE

The pass percentage in each paper shall be 40%.

No student would be allowed to avail of more than THREE chances to pass any paper inclusive of the first attempt.

Promotion Rules for all the Post-Graduate (M.A, M.Sc. and M.Com) Courses under the Semester Scheme.

1) Pass Percentage & Promotion Criteria

- a) The minimum marks required to pass any paper in a semester shall be 40% in theory and 40% in Practical, wherever applicable. The student must secure 40% in the End Semester Examination and 40% in the total of End Semester Examination & Internal Assessment of the paper for both theory & practical separately.
- b) No student will be detained in I or III Semester on the basis of his/her performance in I or III Semester examination; i.e. the student will be promoted automatically from I to II and III to IV Semester.
- c) A student shall be eligible for promotion from 1st year to 2nd year of the course provided he/she has passed 50% papers of I and II Semester taken together. However, he/she will have to clear the remaining papers while studying in the 2nd year of the programme.

- d) Students who do not fulfill the promotion criteria (c) above shall be declared fail in the part concerned. However they shall have the option to retain the marks in the papers in which they have secured Pass marks as per clause (a) above
- e) 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.

2) Reappearance in passed papers:

- a) A student may reappear in any theory paper prescribed for a Semester, on forgoing in writing her/his previous performance in the paper/s concerned. This can be done once only in the immediate subsequent semester examination only (for example, a student reappearing in a paper prescribed for Semester I examination, may do so along with the immediate next Semester III examinations only).
- b) A candidate who has cleared the papers of Part II(III &IV Semesters) may reappear in any paper of III or IV Semester only once, at the immediate subsequent examination 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 eligible to join any higher course of study)

- c) In the case of reappearance in a paper, the result will be prepared on the basis of candidate's current performance in the examination.
- 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) Reappearance in Practical examinations, dissertation, Project and field work shall not be allowed.
- f) A student who reappears in a paper shall carry forward the internal assessment marks, originally awarded.

DIVISION CRITERIA

A student who passes all the papers prescribed for Semester I & II examinations would be eligible for the degree. Such a student shall be categorized on the basis of the combined result of Semester I & II Semesters examinations as follows:-

60% or more	First Division
50% or more but less than 60%	Second Division
40% or more but less than 50%	Third Division

QUALIFYING PAPERS

In case there is such a requirement, the Department may decide to offer not more than 2 qualifying courses for the students who have not done Philosophy before or students who have been found to be lacking necessary

exposure to the subject but have the potential to pursue Philosophy Programme as demonstrated by their performance in the Admission Test. The evaluation of these qualifying courses may be undertaken at the Department level and a separate Certificate may be issued by the Head of the Department for the same. Only those students shall be allowed to appear in the final Semester examination who have fulfilled the requirements of passing the qualifying courses.

SPAN PERIOD

No student shall be admitted as a candidate for the examination for any of the Parts/Semesters after the lapse of 4 years from the date of admission to the Part- I/Semester-I-1 of the M. A. (Philosophy) Programme.

CREDIT REQUIREMENTS

Each Course shall carry 4 Credits. Total Credits per semester shall be 16. The students are allowed to take 2 optional courses of 4 credits each totaling 8 credits outside the department. The list of departments where students are allowed to take these courses shall be notified on the notice board of the department from time to time. Over 4 semesters, the Total Credits shall be 64.

- 4. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding revision of syllabus of Master of Business Administration (Business Economics) from the academic session 2015-2016. (E.C. 13.10.2015).**

MBA (Business Economics)

Semester- 1	
Paper-101	Micro Economic Analysis
Paper-102	Accounting for Business
Paper-103	Marketing Management
Paper-104	Quantitative Techniques in Management
Paper-105	Statistics and Data Analysis
Paper-106	Project Appraisal and New Venture Analysis
Paper-107	Business and Law
Semester- 2	
Paper-201	Macroeconomic Analysis & Policy
Paper-202	International Economics
Paper-203	Firms, Markets and Public Policy
Paper-204	Environmental Economics
Paper-205	Business Finance
Paper-206	Basic Econometrics

Paper-207	Leadership and Organization
Semester-3	
Paper-301	Business, Government & Society
Paper-302	International Financial System
Paper-303	Elective I
Paper-304	Elective II
Paper-305	Elective III
Paper-306	Elective IV
Semester 4	
Paper-401	Contemporary Indian economy
Paper-402	Strategic Management
Paper-403	Elective I
Paper-404	Elective II
Paper-405	Elective III
Paper-406	Elective IV
Part B	
Dissertation / Case Study (equal to 2 papers and spread over semester 3 and 4)	

Optional Groups

(Students Can Choose two of the following optional groups in third semester and two papers in IV semester from each group)

Group-I Quantitative Techniques in Business

1. Advanced Econometrics
2. Time Series Analysis and Business Forecasting
3. Topics in Game Theory
4. Simulation and Modelling in Business Management

Group-II Marketing and Distribution

1. Strategic Marketing
2. Marketing Research
3. Logistics and Supply Chain Management

Group-III Finance

1. Financial Derivatives
2. Investment and Portfolio Theory and Management
3. Corporate Restructuring, Mergers & Acquisitions
4. Credit & Risk Management/Financial Risk Management

Group-IV Economics

1. Urban Transportation Economics
2. Energy Economics
3. Infrastructure Economics
4. Agricultural Economics
5. Economics of Health and Education
6. Economics of Climate Change
7. Labour Economics

5. Amendments to Ordinance V(1), Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding introduction of PG Diploma in Counseling and Mental Health. (E.C. 13.10.2015).

Post-Graduate Diploma in Counseling and Mental Health

Duration of the Course:

The program of study leading to PG Diploma in Counseling & Mental Health will be of ONE year (2 semesters) duration. (*As per UGC norms*)

Admission to the course: Once a year (preferably in the month of August)

Eligibility Criteria:

Graduation in any subject/discipline preferably from Psychology, Counseling (stream) and related disciplines.

Intake and Reservation:

The total intake to the PG Diploma in Counseling & Mental Health will be 20.

The reservation in admission shall be as per University of Delhi rules.

Reservation of seats:

General seats : 15

SC seats : 03

ST seats : 02

OBC seats : 05

CWAP/PD seats over and above

The candidates seeking admission under above categories must fulfill the minimum eligibility conditions and qualifying requirements.

Admission Procedure:

Candidates fulfilling the minimum eligibility shall be called for Interview to be conducted by the Admission Committee constituted by the University for the purpose of admission. In case, the number of applications exceeds 60, common entrance test will be conducted to short list candidates for the interview. Admission to the course shall be made in order of merit. Separate merit list will be prepared for the candidates under each of the above categories.

Program Fee:

Prospectus and application fee: Rs.500/- for general candidates and Rs.250/- for reserved candidates.

Admission Fee: Rs.10,000/- (for both semesters)

Examination Fee: 600/- (Rs.100/- per paper + Rs.100/- Mark Sheet)

Conduct of the Program

The course will be of 50 credits.

Classes for the course will preferably be held in the evening.

(Duration, credits and grading system are defined as per UGC norms)

Methodology of Teaching:

Course will be interactive and experiential in nature. Intensive fieldwork, internship and dissertation will be compulsory components of the course.

Course Structure:

The PG Diploma Course in Counseling and Mental Health will be of one year duration. A student has to earn 50 credits as per the details below:

Course Scheme

Module	Title of the Module	Number of Credits	Total Marks - 100 Internal/External
Semester I			
Paper I	<i>Introduction to Counseling</i>	06	30/70
Paper II	<i>Psychological concepts essential for counseling</i>	06	30/70
Paper III	<i>Field Training</i>	10	30/70
Semester II			
Paper IV	<i>Understanding of Normalcy</i>	06	30/70
Paper V	<i>Narrative and Psychotherapy</i>	06	30/70
Paper VI	<i>Relational Ethics in Practice</i>	06	100
Paper VII	<i>Dissertation</i>	10	100
Total		50 Credits	700

Interpretation of Evaluation Result:

Evaluation results will be interpreted based on the Point Scale for Grading as given below:

Award of Grades based on Absolute Marks

Marks Range (out of 100)	Grade	Grade Point
Above 90	A+	10
80-89	A	9
70-79	B+	8
60-69	B	7
50-59	C	6
40-49	D	5
Below 40	E	-

Grades A+, A, B+, B, C, D in the course means that candidate has passed the course.

Grade E denotes failing in the course.

Grade D is the minimum passing grade.

The maximum period allowed to complete the course will be three years from the year of admission.

The diploma will be awarded by Cluster Innovation Centre, University of Delhi. Director of Cluster Innovation Centre will be the signatory.

6. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding introduction of Certificate and Diploma courses in Gifted Education from academic session 2015-16. (E.C. 13.10.2015)

GE-I: Certificate Course in Education of Gifted Students

Duration of the Course:

The program of study leading to Certificate Course in Education of Gifted Students will be of six months duration.

(As per UGC norms: reference: UGC XII plan guidelines; Annexure B)

Admission to the course: Once a year (preferably in the month of June)

Eligibility Criteria:

In-service Teacher/School Counsellor/Teacher Educator/School Administrator, with at least one year teaching experience.

Intake and Reservation:

The intake to the Certificate course in Education of Gifted Students will be 20. The reservation in admission shall be as per University of Delhi rules.

Reservation of seats:

General seats : 15

SC seats : 03

ST seats : 02

OBC seats : 05

CWAP/PD seats over and above

The candidates seeking admission under above categories must fulfill the minimum eligibility conditions and qualifying requirements.

Admission Procedure:

Candidates fulfilling the minimum eligibility shall be called for Interview to be conducted by the Admission Committee constituted by the University for the purpose of admission. In case, the number of applications exceeds 60, common entrance test will be conducted to short list candidates for the interview. Admission to the course shall be made in order of merit. Separate merit list will be prepared for the candidates under each of the above categories.

Program Fee:

Prospectus and application fee: Rs.500/- for general candidates and Rs.250/- for reserved candidates.

Admission Fee: Rs.7,500/-

Examination Fee: 600/- (Rs.100/- per paper + Rs.100/- Mark Sheet)

Conduct of the Program

The course will be of 20 credits. Each credit will be of 15 hours of workload out of which 08 hours will be assigned to field work /project work.

Classes for the course will preferably be held in the evening. Teaching sessions will be of 4-5 hours per week. (Duration, credits and grading system are defined as per UGC norms)

Methodology of Teaching:

Course will be interactive and experiential in nature. It will be developed through revisiting self- experiences, reflecting upon existing practices and generating suitable resources. The course will engage participants in dialogue and sharing of ideas and through regular submission of assignments. In this way, course will be self-directive, challenging and innovative.

Colleagues/Faculty from Department of Education will participate in the delivery of the course.

Course Structure:

The Certificate Course in Education of Gifted Students will be of six months duration. A student has to earn 20 credits as per the details below:

COURSE SCHEME

Module	Title of the Module	Number of Credits	Total Marks - 100 Internal/External
Module GE I.1	Unlocking the secrets of giftedness	03	30/70
Module GE I.2	Tracing the route(s) of giftedness: Identifying gifted students in Indian context	03	30/70
Module GE I.3	Knowing the inner world of gifted students: Understanding cognitive and affective needs	03	30/70
Module GE I.4	Raising the bar for all: Handling gifted students in the classroom	03	30/70
Module GE I.5	Course- Embedded Term long Project in School Setting followed by Project Report & Viva-Voce	08	100
	Total	20 Credits	500

Examination Scheme:

Each theory paper will have two components: Projects and Theory. Both projects and theory will be evaluated through Internal Evaluation and End Term Evaluation.

Each credit will have 60% project component and 40% theory component. Projects will be selected through course content for its practical applicability.

For Internal Evaluation, 30 marks will be allotted to various assignments during the course and 70 marks will be allotted for the End Term Examination.

The Course-Embedded Term End Project will be evaluated periodically followed by project submission report and viva-voce examination. The periodic assessment will carry 30 marks, project report will carry 50 marks and viva-voce examination will carry 20 marks.

Where candidate fails to take examination in one or more papers or having taken the examination, has, but failed to secure the minimum pass marks in any one or more papers or in the aggregate, his/her marks in the class tests, semester reports and/or assignments will be carried forward to the subsequent examination.

In case of any objection by a student in the evaluation, reevaluation/retotaling will be done as per the University of Delhi norms.

Interpretation of Evaluation Result:

Evaluation results will be interpreted based on the Point Scale for Grading as given below:

Award of Grades based on Absolute Marks

Marks Range (out of 100)	Grade	Grade Point
Above 90	A+	10
80-89	A	9
70-79	B+	8
60-69	B	7
50-59	C	6
40-49	D	5
Below 40	E	-

Grades A+, A, B+, B, C, D in the course means that candidate has passed the course.

Grade E denotes falling in the course.

Grade D is the minimum passing grade.

The maximum period allowed to complete the course will be three years from the year of admission.

The certificate will be awarded by Cluster Innovation Centre, University of Delhi. Director of Cluster Innovation Centre will be the signatory.

GE-II: Diploma Course in Education of Gifted Students

Duration of the Course:

The program of study leading to Certificate Course in Education of Gifted Students will be of six months duration.

(As per UGC norms: reference: UGC XII plan guidelines; Annexure B)

Admission to the course: Once a year (preferably in the month of June)

Eligibility Criteria:

In-service Teacher/School Counsellor/Teacher Educator/School Administrator/ Certificate Course in Gifted Education holder with at least one year teaching experience

Intake and Reservation:

The intake to the Certificate course in Education of Gifted Students will be 20. The reservation in admission shall be as per University of Delhi rules.

Reservation of seats:

General seats: 15

SC seats: 03

ST seats: 02

OBC seats: 05

CWAP/PD seats over and above

The candidates seeking admission under above categories must fulfill the minimum eligibility conditions and qualifying requirements.

Admission Procedure:

Candidates fulfilling the minimum eligibility shall be called for Interview to be conducted by the Admission Committee constituted by the University for the purpose of admission. In case, the number of applications exceeds 60, common entrance test will be conducted to short list candidates for the interview. Admission to the course shall be made in order of merit. Separate merit list will be prepared for the candidates under each of the above categories.

Program Fee:

Prospectus and application fee: Rs.500/- for general candidates and Rs.250/- for reserved candidates.

Admission Fee: Rs.7,500/-

Examination Fee: 1100/- (Rs.100/- per paper + Rs.100/- Mark Sheet)

Conduct of the Program

The course will have two semesters. Each semester will be of 20 marks. In total the course will be of 40 credits. Each credit will be of 15 hours of workload out of which 08 hours will be assigned to field work/project work. Classes for the course will preferably be held in the evening. Teaching sessions will be of 4-5 hours per week.

(Duration, credits and grading system are defined as per UGC norms)

Methodology of Teaching:

Course will be interactive and experiential in nature. It will be developed through revisiting self-experiences, reflecting upon existing practices and generating suitable resources. The course will engage

participants in dialogue and sharing of ideas and through regular submission of assignments. In this way, course will be self-directive, challenging and innovative.

Colleagues and faculty from Department of Education, University of Delhi will participate in delivery of the course.

Course Structure:

The Certificate Course in Education of Gifted Students will be of six months duration. A student has to earn 20 credits in each semester as per the details below:

**Course Scheme
(Semester I)**

Module	Title of the Module	Number of Credits	Total Marks - 100 Internal/External
Module GEII.1	Revisiting Giftedness from Multiple Perspectives	03	30/70
Module GEII .2	Understanding Constructs of Giftedness	03	30/70
Module GEII.3	Intelligence and Human Abilities	03	30/70
Module GEII.4	Learning from International Perspectives in Giftedness	03	30/70
Module GE II.5	Term Long Innovation Project	08	100
	Total	20 Credits	500

**Course Scheme
(Semester II)**

Module	Title of the Module	Number of Credits	Total Marks- 100 Internal/External
Module GE II.6	Creativity in the Realm of Giftedness	03	30/70
Module GE II .7	Translating the World of Underserved Gifted Population: Doubly Exceptional, Underachievers and Disadvantaged	03	30/70
Module GE II.8	Curriculum Provisions for Gifted Students	03	30/70
Module GE II.9	Giftedness in Adulthood and Career	03	30/70
Module GE II.10	Term Long Innovation Project (Small Scale Action Research)	08	100
	Total	20 Credits	500

Examination Scheme:

Each theory paper will have two components: Projects and Theory. Both projects and theory will be evaluated through Internal Evaluation and End Term Evaluation. Each credit will have 60% project component and 40% theory component. Projects will be selected through course content for its practical applicability. For Internal Evaluation, 30 marks will be allotted to various assignments during the course and 70 marks will be allotted for the End Term Examination.

The Course-Embedded Term End Project will be evaluated periodically followed by project submission report and viva-voce examination. The periodic assessment will carry 30 marks, project report will carry 50 marks and viva-voce examination will carry 20 marks.

Where candidate fails to take examination in one or more papers or having taken the examination, has, but failed to secure the minimum pass marks in any one or more papers or in the aggregate, his/her marks in the class tests, semester reports and/or assignments will be carried forward to the subsequent examination.

In case of any objection by a student in the evaluation, reevaluation/retotaling will be done as per the University of Delhi norms.

Student has to earn 20 credits by passing in all five papers.

Interpretation of Evaluation Result:

Evaluation results will be interpreted based on the Point Scale for Grading as given below:

Award of Grades based on Absolute Marks

Marks Range (out of 100)	Grade	Grade Point
Above 90	O	10
80-89	A	9
70-79	B	8
60-69	C	7
50-59	D	6
Below 50	E	0

Grades O, A, B, C, D in the course means that candidate has passed the course (40%) Grade E denotes falling in the course. Grade D is the minimum passing grade.

The maximum period allowed to complete the course will be three years from the year of admission.

The certificate will be awarded by Cluster Innovation Centre, University of Delhi. Director of Cluster Innovation Centre will be the signatory.

7. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding syllabus and duration of M.Ed. Programme. (E.C. 13.10.2015).

M. Ed. Two Year Course

I. Research Methods (100 marks): Both courses are compulsory

Paper Title	Paper Code
Introduction to Research Methods in Education	R.1
Quantitative Methods in Educational Research (More Courses to be added)	R.2.1

II. Perspectives Courses (100 marks): 1 course from each section

Paper Title	Paper Code
Compulsory Perspective Papers (First year)	
Philosophy of Education	P.1
Sociology of Education	P.2
Personality, Learning and Cognition : A Foundational Perspective	P.3
Teaching and Teacher Education: An Interdisciplinary Perspective	P.4
Any one of the following Courses (Second Year)	P.5
Education and Society in South Asia	P.5.1
Revisiting Psychology in Education	P.5.2
Economy, Politics, and Education	P.5.3
Perspectives in History and History of Education	P.5.4
Curriculum Research and Development	P.5.5
Marginalization, Schooling, and Education	P.5.6

III. Specialization Courses (100 marks): 2 courses from one section and one from any other

	Paper Title	Paper Code
a. Maths Education	(i) Introduction to Mathematics Education	S. Ma 1 (a)
	(ii) Mathematics Curriculum : Development and Analysis	S. Ma 2 (a)
b. Educational Technology	(i) Basic Educational Technology	S. Et. 1 (b)
	(ii) Advanced Educational Technology	S. Et. 2 (b)
c. Social Science Education	(i) Epistemological and Conceptual Framework of Social Science	S. Ss. 1 (c)
	(ii) Social Science Learning in Elementary School	S. Ss. 2 (c)
	(iii) Social Science in Secondary and Senior Secondary School	S. Ss. 3 (c)

d. Language and Literacy Education	(i) Language Education	S. Ll. 1 (d)
	(ii) Foundations of Reading and Writing	S. Ll. 2 (d)
e. Science Education	(i) Introduction to Science Studies	S.Sc.1 (e)
	(ii) Environmental Education and Biology	S.Sc.2 (e)
f. Inclusion	(i) Inclusion, School, and Pedagogy	S. Inc. 1 (f)
	(ii) Diverse Abilities : Issues and Perspectives	S. Inc. 2 (f)
g. Social Theory of Education	(i) Social Theory of Education : Conceptual Issues and Debates	S. St. 1 (g)
	(ii) Social Theory of Education : Emerging Issues and Trends	S. St. 2 (g)
h. Curriculum	(i) Knowledge, Curriculum and Pedagogy	S. Curr.1 (h)
i. Art Education	(i) Art Education : Theoretical Construct	S.Art.1 (i)
	(ii) Art Education : Child, School and Pedagogy	S.Art.2 (i)
j. Comparative and International Education	(i) Epistemological and Conceptual Framework of Comparative and International Education	S. CInt. 1 (j)
	(ii) Issues in Comparative and International Education	S. CInt. 2 (j)
k. Culture and Education	(i) Culture, Cognition and Education	S.Cul. 1 (k)
l. Experimental Research and Evaluation	(i) Educational Evaluation and Psychometry	S.Exp.1 (l)
	(ii) Experimental Research in Education	S.Exp.2 (l)
m . Information and Communication Technologies	(i) Information and Communication Technologies in Education : Theoretical Basis	S. Ic.1 (m)
	(ii) Information and Communication Technologies in Education : Approaches and Applications	S. Ic.2 (m)
n. Equality and Education	(i) Equality and Education : Sociological Perspectives	S. Ee.1 (n)
	(ii) Gender and Education	S.Ee.2 (n)

- IV. a. Dissertation : 125 marks
b. Research Seminar : 25 marks
c. Field-based Projects (2) : 25x2=50 marks

Two Year M.Ed. Programme (year-wise outline)

First Year		
Research Methods	1 Course	100 marks
Perspective Courses	4 Courses	400 marks
Specialization Courses	1 Course	100 marks

Project		
	Total	600 marks
Second Year		
Research Methods	1 Course	100 marks
Perspective Courses	1 Course	100 marks
Specialization Courses	2 Courses	200 marks
Research Seminar		25 marks
Dissertation		125 marks
Project		50 marks
	Total	600 marks
First year + Second year		1200 marks

Structure for the M.Ed. Student

- a. Two Research Methods Courses : 200 marks
- b. Five Perspective Courses : 500 marks
- c. Three Specialization Courses (two from a cluster and one from any other) : 300 marks
- d. Dissertation : 125 marks
- Projects : 50 marks
- Research Seminar : 25 marks.

8. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding syllabi and duration of B.Ed. Programme. (E.C. 13.10.2015).

B. Ed. Two Year Course

I. Foundation Courses : All courses are compulsory

	Paper Title	Paper Code	Marks
1	Education in Contemporary India	F.1	100
2	Human Development, Diversity and Learning	F.2	100
3	Conceptual Foundations of Education	F.3	100
4	Gender, School and Society	F.4	50
5	Knowledge, Disciplines and School Subjects	F.5	50
6	The Inclusive School	F.6	50
7	Assessment for Learning	F.7	50

II. Pedagogy Courses

	Paper Title	Paper Code	Marks
Pedagogy I (any one of the FIVE disciplinary streams)			
1	Language	P.1.1	100
2	Science	P.1.2	100
3	Mathematics	P.1.3	100
4	Social Science	P.1.4	100
5	Commerce	P.1.5	100

Pedagogy II (Teaching of any one subject)			
1	English	P.2.1	100
2	Hindi	P.2.2	100
3	Sanskrit	P.2.3	100
4	Urdu	P.2.4	100
5	Punjabi	P.2.5	100
6	Physics	P.2.6	100
7	Chemistry	P.2.7	100
8	Biology	P.2.8	100
9	Integrated Science	P.2.9	100
10	Mathematics	P.2.10	100
11	History	P.2.11	100
12	Political Science	P.2.12	100
13	Economics	P.2.13	100
14	Geography	P.2.14	100
15	Psychology	P.2.15	100
16	Sociology	P.2.16	100
17	Social Science	P.2.17	100
18	Commerce	P.2.18	100
19	Home Science	P.2.19	100

III. Elective Course : (any one of the options available)

	Paper Title	Paper Code	Marks
1	Education for Mental Health	E.1	100
2	Art Education	E.2	100
3	Computer and Web Technologies in Education	E.3	100
4	Education and Technology	E.4	100
5	Environment Education	E.5	100
6	Human Rights in Education	E.6	100
7	Peace Education	E.7	100
8	Adolescence Education	E.8	100

IV. EPCs (Enhancement of Professional Capacity)

	Title	Paper Code	Marks
1	Art, Craft and Aesthetics	EPC.1	50
2	Critical Understanding of ICTs in Education	EPC.2	50
3	Understanding Communication	EPC.3	50
4	Yoga	EPC.4	50

V. Tutorial: 50 marks

VI. Field Observations: 50 marks

VII. School Experience Programme under Internship: 300 marks

Two Year B.Ed. Programme (year-wise)

First Year		
Foundation Courses	3 Courses	3 x 100 = 300 marks
	2 Courses	2 x 50 = 100 marks

Pedagogy Courses		
Pedagogy I	1 Course	100 marks
Pedagogy II	1 Course	100 marks
EPCs	2 Courses	100 marks
Tutorial	-	50 marks
Field Observation	-	50 marks
	Total	800 marks
Second Year		
Foundation Courses	2 Courses	100 marks
Elective Courses	1 Course	100 marks
EPCs	2 Courses	100 marks
School Experience Programme under Internship	-	300 marks
	Total	600 marks
	First year + Second	1400 marks

Structure for the B.Ed. Student

- a. Seven Foundation Courses : 500 marks
- b. Two Pedagogy Courses : 200 marks
- c. One Elective Course : 100 marks
- d. Four EPCs : 200 marks
- e. Tutorial : 50 marks
- Field Observation : 50 marks
- School Experience Programme under Internship: 300 marks.

Please refer to B.Ed. Two Year course outline and year-wise outline for further clarity.

9. Amendments to Appendix II to Ordinance V (2) & VII and to all other relevant Ordinances of the University regarding syllabi and duration of B.Ed. Special Education Programme. (E.C. 13.10.2015).

Bachelor of Education - Special Education (2 Years B.Ed. Spl.Ed.) Programme

Duration

The Course/programme will be of two years with 2 semesters in each year. Each semester will be of 16-18 weeks; 2 weeks in summer and 2 weeks in inter semester break will also be utilized for covering the courses. In this way, the following operational weeks will be available for transacting the course:

Year 1- 16-18 weeks for two semesters + 2 weeks in summer

Year 2- 16-18 weeks for two semesters + 2 weeks in inter-semester breaks

This comes to 64-72 weeks + 6 weeks for field activities/skill development with 40 credits in each year.

Working Days & Attendance

The programme will be conducted for **at least 200 working** days each year exclusive of the period of examination and admission. The institution shall work for a minimum of thirty six hours in a week (five or six days), during which physical presence in the institution of all the teachers and student-teachers is necessary to ensure their availability for advice, guidance, dialogue and consultation as and when needed.

The minimum attendance of Student-Teachers shall have to be 80% for all course work, 90% for all practicum, and 100% for school internship (5% attendance may be condoned by the head of institution on genuine grounds).

Eligibility For Admission

B.A./ B.Sc./ B.Com. or an equivalent degree at graduate level depending on the requirements of being the school subject for pedagogical courses and for the particular course with minimum 50% in the qualifying degree examination.

Admission

Admission Procedure: as per University norms.

Passing Minimum

As per Faculty of Education B.Ed (General) norms.

Nature of Evaluation

Internal & External as per University norms; RCI as Statutory body recommends that the (i) cut-off marks for grade B shall not be less than 50% and for grade B+, it should not be less than 55% under the absolute grading system, and (ii) Internal assessment for Theory Courses will not exceed 20% and 50% in the practicum wherever applicable.

PROGRAMME STRUCTURE FOR 2 YEARS

Code	Area	Courses	Credits
A	THEORY: Core courses	5	20
B	THEORY: Cross Disability & Inclusive Education courses (including optional courses)	6	12
C	THEORY: Disability Specialisation Courses	5	18
D	THEORY: Enhancing Professional Capacities (EPC) / Professional Development Courses	3	06
E	Practical related to disability	2	12
F	Field Engagement /School Internship	3	12
Total		24	80

All courses as specified in the structure include lecture, tutorials as contact hours besides assignment, field work including observation, seminar, workshop and practicum relating to the concerned course.

Specialisation offered (with specific reference to Area C)

The B. Ed. Spl. Ed. programme is offered in following specializations:

- I. Autism Spectrum Disorders(ASD)
- II. Hearing Impairment (HI)
- III. Learning Disability(LD)
- IV. Mental Retardation /Intellectual Disability (MR/ID)
- V. Multiple Disabilities (MD)
- VI. Visual Impairment (VI)

AREA A: CORE COURSES

A1	Human Growth & Development
A2	Contemporary India and Education
A3	Learning, Teaching and Assessment
A4	Stream based Pedagogy of Teaching Any one
	PART I: Language
	PART II: Social Science
	PART III: Mathematics
	PART IV: Science
A5	Pedagogy of Teaching (Special Reference to Disability) Any one
	PART I: Hindi / Regional Language (Special Reference to Disability)
	PART II: English (Special Reference to Disability)
	PART III : Social Science (Special Reference to Disability)
	PART IV: Mathematics (Special Reference to Disability)
	PART V: Science (Special Reference to Disability)

AREA B: CROSS DISABILITY AND INCLUSION

Note:

- a. All student-teachers will be learning about all disabilities (theory, practical as well as field engagement) and specialization in any one disability *other than selected for Area C*.
- b. Institutions/organizations offering B.Ed.Spl.Ed. are expected to decide *other than specialization area* out of VI / HI / MR / LD / MR (ID) / ASD / MD.
- c. *In case of student-teachers with disability; the choice of two optional courses from B-9 or B-10 can be on case to case basis (e.g. Student-teachers with VI and HI may opt for courses that are appropriate for them across/only from B9 & B10).*

- B6 Inclusive Education
 B7 Introduction to Sensory Disabilities (VI, HI, Deaf-Blind)
 B8 Introduction to Neuro Developmental Disabilities (LD, MR(ID), ASD)
 B9 Introduction to Locomotor & Multiple Disabilities (CP, MD)
 B10 Skill Based Optional Course (Cross Disability and Inclusion)
 B11 Skill Based Optional Course (Disability Specialization)

B 10: Skill-based Optional Course (Cross Disability and Inclusion) ANY ONE

A	Guidance and Counselling
B	Early Childhood Care & Education
C	Applied Behavioural Analysis
D	Community Based Rehabilitation
E	Application of ICT in Classroom
F	Gender and Disability
G	Braille and Assistive Devices

B11: Skill-based Optional Course (Disability Specialization) ANY ONE

A	Orientation & Mobility
B	Communication Options: Oralism
C	Communication Options: Manual (Indian Sign Language)
D	Augmentative and Alternative Communication
E	Management of Learning Disability
F	Vocational Rehabilitation & Transition to Job Placement

AREA C: DISABILITY SPECIALIZATION COURSES

Institutions/Organizations offering B.Ed.Spl.Ed. are expected to decide on Specific Disability Area for Specialization out of MR(ID) / VI

C12	Assessment and Identification of Needs
C13	Curriculum Designing, Adaptation and Evaluation
C14	Intervention and Teaching Strategies
C15	Technology and Disability
C16	Psycho Social and Family Issues

AREA D: ENHANCEMENT OF PROFESSIONAL CAPACITIES (EPC)

(Wherever applicable specific reference to disability will be focused)

D17	Reading and Reflecting on Texts
D18	Drama and Art in Education
D19	Basic Research & Basic Statistic

AREA E: PRACTICAL RELATED TO DISABILITY

- E1. Cross disability and inclusion (Part of Area B)
- E2. Disability specialization (Part of Area C)

AREA F: FIELD ENGAGEMENT/ SCHOOL ATTACHMENT/ INTERNSHIP

- F1. Main disability special school (Related to Area C)
- F2. Other disability special school (Related to Area B)
- F3. Inclusive school (Related to Area B & C)

Transitory Regulations

Whenever a course or scheme of instruction is changed in a particular year, two more examinations immediately following thereafter shall be conducted according to the old syllabus/ regulations. Candidates not appearing at the examinations or failing shall take the examinations subsequently according to the changed syllabus / regulations/ as per University norms.

- 10. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University 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). (E.C. 13.10.2015).**

Add the following as SEMESTER VI in B.A. Honours (Humanities and Social Sciences):

Semester VI

- 6.1 Introduction To Digital Humanities
- 6.2 Innovation Management
- 6.3 Legal Literacy
- 6.4 Stream Intensive Paper
 - 6.4.1 Journalism
 - 6.4.2 Historical Tourism
 - 6.4.3 Art & Design
 - 6.4.4 Counselling

11. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University 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. (E.C. 13.10.2015).

Compulsory Course on Environmental Studies for Undergraduates of University of Delhi (One Semester):		
<u>Teaching Schedule & Guidelines</u>		
1.	Course Name and [Code] & Academic Session	Compulsory Core Course on Environmental Studies¹ [ENVS 1] [With effect from Session 2014-15]
2.	Course Credits [CC]:	4 CC
3.	Rationale for introducing this Course:	Environment protection has dominated the global developmental narrative post UN Conference on Environment and Development at Rio de Janeiro in 1992. The awareness that economic development must not compete with environment has since been internalized in development framework in India. It is in this context that the Hon'ble Supreme Court of India in 1993 directed UGC to frame a compulsory core 4 credit course for all undergraduate students in India. UGC subsequently framed a course, which provides the basic protocol for the Course now being implemented by University of Delhi. Since human survival in many ways is linked to environmental security, this Course would help students understand and appreciate various concepts and issues concerning this linkage.
4.	Brief Course Description:	This Course is aimed at imparting knowledge to undergraduates from all study areas to help them understand and appreciate various concepts and issues about environment at local, regional and global levels. Case studies will form the basic pedagogical tool of delivery for this Course. The major topics covered in this course are*: Unit 1 : Introduction to environmental studies Unit 2 : Ecosystems Unit 3 : Natural Resources : Renewable and Non-renewable Resources Unit 4 : Biodiversity and Conservation Unit 5 : Environmental Pollution Unit 6 : Environmental Policies & Practices Unit 7 : Human Population and the Environment

		Unit 8: Field Work *for details see teaching schedule at serial no. 10																																																					
5.	Requisites:	All 1 st year undergraduate students of the University (one semester only) .																																																					
6.	Workload hours per week: (The weekly workload for a 4 CC is based on 50 lectures prescribed by UGC.	(i) Lecture	2																																																				
		(ii) Interactive session/class	1																																																				
		(iii) Field/Project work & Report	1																																																				
		Total:	4																																																				
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8.	Assessment (Marks and %age): (Indicates % breakdown for each assessment component and for the Final Examination*.) * Final Examination to be conducted by the Examination Branch, University of Delhi & dates to be announced by the University	Assessment/Evaluation:	Max marks = 100
		(i) Field-Work (Assignment/Report)	25%
		(iv) Final Exam: (a) Short answers – 25 marks (25%) (b) Essay type with choice – 50 marks (50%)	75%
		Total	100%
9.	Course Lecturer/s: (College/s/Department/s)	Teachers of various Departments in respective Colleges will teach ENV51 Course. Each College shall appoint a <i>Course Coordinator</i> from among the teachers involved in teaching the Course under intimation to Head, Department of Environmental Studies. Wherever necessary, Colleges may seek assistance/guidance of Head, Department of Environmental Studies for smooth teaching of the ENV51 Course.	
10.	Modes of Teaching and Learning: (Lectures, Seminars, Discussions, Regular tests, Q & A).	An optimal combination and mix of approaches would be followed in teaching and learning this course. These will include: <ul style="list-style-type: none">• Lectures/seminars and discussion sessions• Video presentations• Field visits/excursions• Interactive session/class• Project activity/ report writing/presentation	
11.	Interdisciplinarity & Multidisciplinarity	Inter-disciplinarity will be the main focus of teaching and learning strategies. The course content and suggested readings draw heavily from ideas developed through inter- disciplinary works. Likewise, the course will be multiple and cross-discipline based.	

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.

12. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding syllabus of Optional Course in M.A. course in the Department of Political Science to be effective from the academic session 2015-16. (E.C. 13.10.2015).

Optional Paper No. 31	Religion, Reform and Religious Nationalism in Modern India
Optional Paper No. 32	Gandhi, Autonomy and Discourse
Optional Paper No. 33	Ambedkar in Contemporary India

Optional Paper No. 34	Dalit - Bahun Political Thought
Optional Paper No. 35	Contemporary Explorations in Tagore's Ideas and Actions.
Optional Paper No. 36	Discourses on Hindu Nationalism
Optional Paper No. 37	Social Conservatism in India
Optional Paper No. 38	Indian Polity in State-Society Interaction since the 1960s
Optional Paper No. 39	State Politics in India
Optional Paper No. 40	Identities and Political Transformation in India
Optional Paper No. 41	Politics and Ethnic Conflicts in Jammu & Kashmir
Optional Paper No. 42	Law, Crime, and Politics in India
Optional Paper No. 43	The State in Diverse Political Traditions
Optional Paper No. 44	Society, State and Politics: Comparing Israel and India
Optional Paper No. 45	Religious Nationalism and Political Violence
Optional Paper No. 46	The Politics of Identity in Comparative Perspective
Optional Paper No. 47	Nationalism in a Comparative Perspective
Optional Paper No. 48	Themes in Citizenship
Optional Paper No. 49	Democracy and Violence: Contestation, Convergence, and Discourse
Optional Paper No. 50	Collaborative Governance: Transforming Engagements in Public Management
Optional Paper No. 51	Corporate Citizenship and Governance: Theories and Practices
Optional Paper No. 52	Institutions, Development and Poverty
Optional Paper No. 53	Environmental Policies & Politics
Optional Paper No. 54	The Political in local Governance
Optional Paper No. 55	Global Justice and the South
Optional Paper No. 56	The Theory and Practice of Democracy
Optional Paper No. 57	Key Ideas in contemporary Critical Theory in India

13. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding introduction of a New Optional Course Titled "Geography in India" for Semester IV in M.A. (Geography) from the academic session 2015-2016. (E.C. 13.10.2015).

**Course Title: Geography in India
Optional Course Fourth Semester**

1. Origin of Geography in India: Ancient and Medieval
2. Development of Geography in India: Colonial and Post-Colonial
3. Characteristics of Geography in India: Diversity and Disparity
4. Geography in India: Contribution and Schools
5. Practice of Geography in India: Theoretical and Applied.
6. Status of Geography in India: Comparisons and Concerns
7. Geography in India within a Globalizing word

14. Amendments to Appendix V to Ordinance IX of the Ordinances of the University regarding change of promotion criteria for full time one year Post-Graduate Intensive Diploma in Chinese, Japanese and Korean w.e.f. the academic session 2015-2016. (Page no. 617-645 of University Calendar Volume II (1989) (E.C. 13.10.2015).

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

Existing	Amended
<u>Pass percentage:</u> 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.	<u>Pass percentage:</u> 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 Chinese Language (Full-time)
(Course Code: CF-2)

Existing	Amended
<u>Pass percentage:</u> 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.	<u>Pass percentage:</u> 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
<u>Pass percentage:</u> 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.	<u>Pass percentage:</u> 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
<p><u>Pass percentage:</u></p> <p>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.</p>	<p><u>Pass percentage:</u></p> <p>Minimum marks for passing the examination in each semester shall be 50% in each paper (in written/oral examination and Internal Assessment put together).</p>

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

(Course Code: KF-1)

Existing	Amended
<p><u>Pass percentage:</u></p> <p>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.</p>	<p><u>Pass percentage:</u></p> <p>Minimum marks for passing the examination in each semester shall be 50% in each paper (in written/oral examination and Internal Assessment put together).</p>

One Year Post Graduate Intensive Advanced Diploma Course in Korean Language

(Full-time)

(Course Code: KF-2)

Existing	Amended
<p><u>Pass percentage:</u></p> <p>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.</p>	<p><u>Pass percentage:</u></p> <p>Minimum marks for passing the examination in each semester shall be 50% in each paper (in written/oral examination and Internal Assessment put together).</p>

15. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding changes in the following papers in the Department of Sociology. (E.C. 13.10.2015).

1. Course 215: Sociology of Education
2. Course 217: Population and Society
3. Course 221: Agrarian Sociology

16. Amendments to Ordinance V(1) and Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding change in nomenclature of the degree of B.A. Multimedia and Mass Communication. (E.C. 13.10.2015).

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

17. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding revision of M.A. Hindustani Music (Vocal/Instrument). (E.C. 13.10.2015).

M.A. (Previous) Theory, Course-203:

Existing	Amended
<p>Interdisciplinary Approach in Indian Music:</p> <p>A.</p> <p>(i) Analytical study of musical sound based on principles of physics.</p> <p>(ii) Music and Mathematical approach in Laya and Tala of Indian Music.</p> <p>(iii) Physiology of Human Throat and its application in voice culture.</p> <p>(iv) Role of Music in maintaining the traditional values of Indian culture.</p> <p>(v) Positive aspects of Music on personality development: Psychological approach.</p> <p>(vi) Philosophical aspects of Music.</p>	<p>Inter-disciplinary Approach in Indian Music:</p> <p>A.</p> <p>(i) Analytical study of musical sound based on principles of physics.</p> <p>(ii) Music and Mathematical approach in Laya and Tala of Indian Music.</p> <p>(iii) Physiology of Human Throat and its application in voice culture.</p> <p>(iv) Role of Music in maintaining the traditional values of Indian culture.</p> <p>(v) Positive aspects of Music on personality development: Psychological approach.</p> <p>(vi) Documentation and Preservation of Music with equipment and technology.</p>

M.A. (Previous) Semester-I, Course-102:

Existing	Amended
<ol style="list-style-type: none">1. Ahir Bhairav2. Basant3. Darbari Kanhada4. Devgiri Bilawal5. Gaud Malhar6. Marwa7. Miyan Malhar8. Paraj/ Bairagi9. Puria10. Rageshri11. Shuddha Sarang12. Yamani Bilawal	<ol style="list-style-type: none">1. Ahir Bhairav2. Nat Bhairav3. Basant4. Devgiri Bilawal5. Yamani Bilawal6. Gaud Malhar7. Miyan Malhar8. Paraj/ Bairagi9. Puriya10. Marwa11. Shuddha Sarang12. Miyan Ki Sarang <p><u>Note:</u> Students may choose any eight ragas for detailed study and the remaining four ragas for non-detailed study.</p>

M.A. Semester-II, Course-202:

Existing	Amended
<ol style="list-style-type: none">1. Adana/Vibhas2. Bahar3. Bihagada4. Gauri (Bhairav Anga)5. Jhinjhoti6. Maru Bihag7. Mian Ki Sarang8. Nat Bhairav9. Poorvi10. Shri11. Shuddha Kalyan12. Sindhura/ Chandrakauns	<ol style="list-style-type: none">1. Adana/Gauri2. Darbari Kanhada3. Bihagada4. Jhinjhoti5. Maru Bihag6. Poorvi7. Shri8. Shudha Kalyan9. Rageshri10. Chandrakauns11. Vibhas12. Bahar/ Sindura <p><u>Note:</u> Students may choose any eight ragas for detailed study and the remaining four ragas for non-detailed study.</p>

M.A. Semester-III, Course-302:

Existing	Amended
1. Barwa 2. Bhatiar 3. Desi 4. Jait Kalyan/ Jog Kauns 5. Jog 6. Lalit 7. Madhuwanti 8. Megh Malhar 9. Nayaki Kanhada 10. Puriya Kalyan 11. Ramdasi Malhar/ Madhmad Sarang 12. Shahana/ Suha	1. Barwa 2. Bhatiyar 3. Desi 4. Jaitkalyan/ Malgunji 5. Jog 6. Lalit 7. Madhuwanti 8. Megh Malhar 9. Nayaki Kanhada 10. Puriya Kalyan 11. Madhmad Sarang/ Bhairavi 12. Shahana/ Suha <u>Note:</u> Students may choose any eight ragas for detailed study and the remaining four ragas for non-detailed study.

M.A. Semester-IV, Course-402:

Existing	Amended
1. Abhogi 2. Bhairavi/ Soor Malhar 3. Bilasakhani Todi 4. Dev Gandhar 5. Gurjari Todi 6. Hansadhwani 7. Kaunsi Kanhada 8. Komal Rishabh Asawari 9. Kukubh Bilawal/ Gunkali 10. Nand 11. Shankara/ Malgunji 12. Shukla Bilawal	1. Abhogi 2. Soor Malhar/ Jog Kauns 3. Bilasakhani Todi 4. Dev Gandhar/ Gunkali 5. Gurjari Todi 6. Hansadhwani 7. Kaunsi Kanhada 8. Komal Rishabh Asawari 9. Ramdasi Malhar/ Kukubh Bilawal 10. Nand 11. Shankara 12. Shukla Bilawal <u>Note:</u> Students may choose any eight ragas for detailed study and the remaining four ragas for non-detailed study.

18. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding revision of M.A. Karnatak Music. (E.C. 13.10.2015).

Existing	Amended
<p>List of Ragas prescribed for compositions:</p> <ol style="list-style-type: none"> 1. Nayaki 2. Kuranji 3. Senjurutti 4. Dwijavanti 5. Bauli 6. Bhairavam 7. Vagadeeshwari 8. Kamalamanohari 9. Hamsanadam 10. Amruthavarshini 	<p>List of Ragas prescribed for compositions:</p> <ol style="list-style-type: none"> 1. Nayaki 2. Kuranji 3. Senjuruti 4. Dwijavanti 5. Bauli 6. Bhairavam 7. Vagadeeshwari 8. Kamalamanohari 9. Hamsanadam 10. Amrutavarshini 11. Subhantuvavali
<p>Theory – Musicological Study and Lakshana granthas</p> <ul style="list-style-type: none"> • Detailed study of ragas with special reference to those, which are typical examples of various srutis, used in Indian music • Theory of Rettai pallavis, Nadai pallavis, Anuloma Pratiloma, Tisram • Significance of Bharatas experiment relating to Dhruva and Chala Veena • Musical forms pertaining to the field of classical dances of south India. A knowledge of Geya Nataka, Nritya Nataka, Bhagavata Mela Nataka, Kuchipudi, Yakshagana Kathakali, Krishnattam. • Musical iconography and musical stone pillars. • Musical concerts: Traditional and contemporary changes. • An in-depth study of following lakshana granthas – Natya Shastra, Silappadikaram, Brihadhesi, Sangeeta Ratankara, Sangita Sara, Raga Vibodha, Swaramela Kalanidhi Chaturdandi prakashika, Sangita Sudha, Sangraha Chudamani, Sangita Sampradaya Pradarshini. 	<p>Add the following</p> <ul style="list-style-type: none"> • Notations of a double Kalai Kriti.

19. Amendments to Ordinance V(1), Ordinance VII, Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding introduction of new course in M.A. Percussion Music (Tabla/Pakhawaj) from the academic session 2015-16. (E.C. 13.10.2015).

M.A. Percussion Music (Tabla/Pakhawaj)

Semester I			
Course No.	Paper	Marks	Credits
Course 101	Stage performance	100	8
Course 102	Viva – Voce	100	8
Course 103	Applied Theory	100	4
Course 104	Membranophones of various countries	100	4
Semester II			
Course 201	Stage performance	100	8
Course 202	Viva – Voce	100	8
Course 203	Inter Disciplinary aspects of Music	100	4
Course 204	Comparative study of Hindustani and Karnatak Tala System	100	4
Semester III			
Course 301	Stage performance	100	8
Course 302	Viva – Voce	100	8
Course 303	History of Ancient Avanaddha Vadyas	100	4
Course 304	Aesthetical analysis of Tal Vadyas	100	4
Semester IV			
Course 401	Stage performance	100	8
Course 402	Viva – Voce	100	8
Course 403	History, development and study of present Avanaddha Vadyas	100	4
Course 404	Documentation & Preservation of Music	100	4
	Total	1600	96

20. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University 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. (E.C. 13.10.2015).

**MASTER OF ARTS/SCIENCE (MATHEMATICS)
TWO-YEAR FULL-TIME PROGRAMME**

PROGRAMME STRUCTURE

The master's programme in Mathematics is divided into two parts as hereunder. Each part will consist of two semesters.

Part I	First Year	Semester 1	Semester 2
Part II	Second Year	Semester 3	Semester 4

Semester I	
MATH14-101 MATH14-102 MATH14-103 MATH14-104	FIELD THEORY COMPLEX ANALYSIS MEASURE AND INTEGRATION DIFFERENTIAL EQUATIONS
Semester II	
MATH14-201 MATH14-202 MATH14-203 MATH14-204	MODULE THEORY TOPOLOGY-I FUNCTIONAL ANALYSIS FLUID DYNAMICS
Semester III	
	Anyone of the following
MATH14-301(A) MATH14-301(B) MATH14-301(C)	ALGEBRAIC TOPOLOGY REPRESENTATION OF FINITE GROUPS COMMUTATIVE ALGEBRA
	Anyone of the following
MATH14-302(A) MATH14-302(B) MATH14-302(C)	FOURIER ANALYSIS MATRIX ANALYSIS THEORY OF BOUNDED OPERATORS
	Anyone of the following
MATH14-303(A) MATH14-303(B) MATH14-303(C)	ADVANCED COMPLEX ANALYSIS MEASURE THEORY TOPOLOGY-II
	Anyone of the following
MATH14-304(A)	CODING THEORY

MATH14-304(B)	COMPUTATIONAL FLUID DYNAMICS
MATH14-304(C)	COMPUTATIONAL METHODS FOR ODES
MATH14-304(D)	MATHEMATICAL PROGRAMMING
MATH14-304(E)	METHODS OF APPLIED MATHEMATICS
MATH14-304(F)	GRAPH THEORY
Semester IV	
	Anyone of the following
MATH14-401(A)	ALGEBRAIC NUMBER THEORY
MATH14-401(B)	THEORY OF NON-COMMUTATIVE RINGS
MATH14-401(C)	SIMPLICIAL HOMOLOGY THEORY
MATH14-401(D)	ADVANCED GROUP THEORY
	Anyone of the following
MATH14-402(A)	ABSTRACT HARMONIC ANALYSIS
MATH14-402(B)	FRAMES AND WAVELETS
MATH14-402(C)	OPERATORS ON HARDY-HILBERT SPACES
MATH14-402(D)	THEORY OF UNBOUNDED OPERATORS
	Anyone of the following
MATH14-403(A)	CALCULUS ON \mathbb{R}^n
MATH14-403(B)	DIFFERENTIAL GEOMETRY
MATH14-403(C)	TOPOLOGICAL DYNAMICS
	Anyone of the following
MATH14-404(A)	ADVANCED CODING THEORY
MATH14-404(B)	ADVANCED FLUID DYNAMICS
MATH14-404(C)	COMPUTATIONAL METHODS FOR PDES
MATH14-404(D)	CRYPTOGRAPHY
MATH14-404(E)	DYNAMICAL SYSTEMS
MATH14-404(F)	OPTIMIZATION TECHNIQUE AND CONTROL THEORY

SCHEME OF EXAMINATIONS

- 1 English shall be the medium of instruction and examination.
- 2 Examinations shall be conducted at the end of each Semester as per the Academic Calendar notified by the University of Delhi.
- 3 Each course will carry 100 marks and have two components: Internal Assessment 30% marks and End-Semester Examination 70% marks.
- 4 The system of evaluation shall be as follows:

4.1 Internal assessment will be based on classroom participation, seminar, term courses, tests, quizzes. The weightage given to each of these components shall be decided and announced at the beginning of the semester by the individual teacher responsible for the course. No special classes will be conducted for a student during other semesters, who fails to participate in classes, seminars, term courses, tests, quizzes and laboratory work.

4.2 The remaining 70 marks in each paper shall be awarded on the basis of a written examination at the end of each semester. The duration of written examination for each paper shall be three hours.

5 Examinations for courses shall be conducted only in the respective odd and even Semesters as per the Scheme of Examinations. Regular as well as Ex-Students shall be permitted to appear/re-appear/improve in courses of Odd Semesters only at the end of Odd Semester and courses of Even Semesters only at the end of Even Semesters.

Pass Percentage & Promotion Criteria:

- (a) The minimum marks required to pass any paper in a semester shall be 40% in theory and 40% in Practical, wherever applicable. The student must secure 40% in the End Semester Examination and 40% in the total of End Semester Examination & Internal Assessment of the paper for both theory & practical separately.
- (b) No student will be detained in I or III Semester on the basis of his/her performance in I or III Semester examination; i.e. the student will be promoted automatically from I to II and III to IV Semester.
- (c) A student shall be eligible for promotion from Ist year to 2nd year of the course provided he/she has passed 50% papers of I and II Semester taken together. However, he/she will have to clear the remaining paper/s while studying in the 2nd year of the programme.
- (d) Students who do not fulfill the promotion criteria (c) above shall be declared fail in the Part concerned. However, they shall have the option to retain the marks in the papers in which they have secured Pass marks as per Clause (a) above.
- (e) 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.

Reappearance in Passed Papers

- (a) A student may reappear 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 once only in the immediate subsequent semester examination only (for example, a student reappearing in a paper prescribed for Semester I examination, may do so along with the immediate next Semester III examinations only)
- (b) A candidate who has cleared the papers of Part II (III & IV Semesters) may reappear in any paper of III or IV Semester only once, at the immediate subsequent examination 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 eligible to join any higher course of study)

- (c) In the case of reappearance in a paper the result will be prepared on the basis of candidates current performance in the examination.
- (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 he/she failed to re-appear shall be taken into account while determining her/his result of the examination held currently.

(e) Reappearance in Practical examinations, dissertation, project and filed work shall not be allowed.

(f) A student who reappears in a paper shall carry forward the internal assessment marks, originally awarded.

Notes: (1) Each course will have 5 credits: 4 lectures, 1 discussion and 1 tutorial per week.

(2) In the beginning of the respective semesters, the Department will announce the list of elective courses which will be offered during the semester depending upon the availability of lecturers and the demand of electives.

Division Criteria

A student who passes all the papers prescribed for Part I & II examinations would be eligible for the degree. Such a student shall be categorized on the basis of the combined result of Part I and II examinations as follows:

- (1) 60% or more : Ist Division
- (2) 50% or more but less than 60% : IInd Division
- (3) 40% or more but less than 50% : IIIrd Division

Span Period 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 Semester 1 of the masters programme in Mathematics.

21. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding modification in the course content of 5th and 6th Semesters of B.Sc. (Hons.) Physics from the Academic Session 2015-2016 (Erstwhile FYUP) (E.C. 13.10.2015).

5 th Semester		6 th 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	Computer Programming & Numerical	Statistical Mechanics	Lab-VIIIB

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

22. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding revision of syllabus of One Year Full-Time Intensive Advanced Diploma in Russian from the academic session 2015-2016 (E.C. 13.10.2015).

Replace the existing syllabus with the amended syllabus as shown below:-

	Existing	Amended
Course Name	Intensive Advanced Diploma in Russian	Full-time Intensive Advanced Diploma in Russian
Duration	One year	One Year
Mode of Admission:	Entrance test Through aptitude Test and Interview	Entrance test 85 (Written)+15 (Oral) = 100 Through aptitude Test and Interview
Number of Seats	30*	60
Eligibility	Candidates who have passed the Senior School Certificate Examination (10+2) of the CBSE or an examination recognized as equivalent thereto with an aggregate of at least 55% are eligible to apply.	Candidates who have passed the Senior School Certificate Examination (10+2) of the CBSE or an examination recognized as equivalent thereto with an aggregate of at least 45% are eligible to apply.
Mode of Evaluation	Annual	Annual

Papers	Paper-I: Applied Grammar: 100 Marks Paper-II: Grammatical Concepts: 100 marks Paper- III: Translation: 100 marks Paper-IV: Literary Concepts: 100 marks Paper-V: Oral: 100 marks	Paper-I: Grammar: 100 marks Paper-II: Practical Russian (Written): 100 marks Paper-III: Practical Russian (Spoken): 100 marks Paper IV: Translation (Russian into English & English into Russian): 100 marks Paper-V: Introduction to Grammatical concepts: 50 marks Paper-VI: Introduction to Literary Concepts: 50 marks
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23. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding revision of syllabus of Part time Certificate Course in Bulgarian, Croatian, Czech, Hungarian & Polish from the academic session 2015-2016 (E.C. 13.10.2015).

Replace the existing syllabus with the amended syllabus as shown below:-

	Existing	Amended
Course Name	Part-time Certificate in Bulgarian/Croatian/Czech/Hungarian & Polish	No change
Duration	One year	One Year
Mode of admission	Merit	Merit
Eligibility	Candidates who have passed the Senior Secondary School Certificate examination (10+2) of the Central Board of Secondary Education, New Delhi or an examination recognized as equivalent thereto with a minimum aggregate of 55% are eligible to apply. <ul style="list-style-type: none"> • Post-graduate • Graduate • 10+2. 	Candidates who have passed the Senior Secondary School Certificate examination (10+2) of the Central Board of Secondary Education, New Delhi or an examination recognized as equivalent thereto with a minimum aggregate of 45% are eligible to apply. Admission will be made in order of merit based on the degree/certificate in each of the following categories:
		<ul style="list-style-type: none"> • Post-graduate and above • Graduate • 10+2.

Number of Seats	40	40
Mode of Evaluation	Annual	Annual Examination scheme: 75 (annual +25 Internal assessment)
Papers	<p>Paper-I Grammar- 100 Marks Bulgarian/Croatian/ Czech/ Hungarian/ Polish</p> <p>Paper-II- Translation 100 Marks Bulgarian/Croatian/ Czech/ Hungarian/ Polish</p> <p>Paper-III Oral Bulgarian/Croatian/ Czech/ Hungarian/ Polish</p>	<p>Paper I- Communicative Grammar- 100 marks Bulgarian/Croatian/ Czech/ Hungarian/ Polish (LEVEL -A1 (Beginner) A2- (Elementary)</p> <p>Paper –II Translation and Written Comprehension- 100 marks Bulgarian/Croatian/ Czech/ Hungarian/ Polish</p> <p>Paper-III Spoken – 100 marks Bulgarian/Croatian/ Czech/ Hungarian/ Polish</p>

24. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding revision of syllabus of Part time Diploma Course in Bulgarian, Croatian, Czech, Hungarian & Polish from the academic session 2015-2016 (E.C. 13.10.2015).

Replace the existing syllabus with the amended syllabus as shown below:-

	Existing	Amended
Name	Part-time Diploma in Bulgarian/Croatian/ Czech/ Hungarian/ Polish	No change
Duration	One year	One Year
Eligibility	Candidates who have passed the Certificate Examination in the corresponding language course from University of Delhi. Candidates who have passed their Certificate course or an equivalent course in the corresponding language will be required to appear for an admission test to be conducted by the Department.	

	Candidates with a gap year or more will be required to appear for an admission test to be conducted by the Department.	No change
Mode of admission	Merit	Merit
Number of seats	40	40
Mode of Evaluation	Annual	Annual Examination scheme: 75 (annual +25 internal assessment)
Papers	<p>Paper-I Grammar- 100 marks Bulgarian/Croatian/Czech/ Hungarian/ Polish</p> <p>Paper-II Translation – 100 marks Bulgarian/Croatian/ Czech/ Hungarian/ Polish</p> <p>Paper-III- Oral – 100 marks Bulgarian/Croatian/Czech/ Hungarian/ Polish</p>	<p>Paper-I Communicative Grammar – 100 marks Bulgarian/Croatian/ Czech/ Hungarian/ Polish</p> <p>Paper-II Translation and Written Comprehension- 100 marks</p> <p>Paper-III Spoken - 100 marks Bulgarian/Croatian/ Czech/ Hungarian/ Polish</p>

25. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding revision of syllabus of Part time Advanced Diploma Course in Bulgarian, Croatian, Czech, Hungarian & Polish from the academic session 2015-2016 (E.C. 13.10.2015).

	Existing	Amended
Name	Part-time Advanced Diploma in Bulgarian/Croatian/ Czech/ Hungarian/ Polish	No change
Duration	One year	One Year
Mode of admission	Merit	Merit

Eligibility	Candidates who have passed the Diploma Examination in the corresponding language course from University of Delhi. Candidates who have passed their Diploma course or an equivalent course in the	No change
	Corresponding language will be required to appear for an admission test to be conducted by the Department. Candidates with a gap year or more will be required to appear for an admission test to be conducted by the Department.	
Number of seats	40	No change
Mode of Evaluation	Annual	Annual Examination Scheme 75(annual)+25 (internal Assessment)
Papers	Paper- I Grammar 100 marks Bulgarian/Croatian/ Czech/ Hungarian/ Polish Paper-II Translation- 100 marks Paper III- oral – 100 marks	Paper-I Communicative Grammar 100 marks Bulgarian/Croatian/ Czech/ Hungarian/ Polish Paper-II Translation Written Comprehension- 100 marks Bulgarian/Croatian/ Czech/ Hungarian/ Polish Paper-III Spoken – 100 marks Bulgarian/Croatian/Czech/ Hungarian/Polish

26. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding minor change/reorganization of the courses in M.Sc. (Bio-chemistry) from the academic session 2015-2016 (E.C. 13.10.2015).

**M.Sc. (Biochemistry)
Two-Year Full Time Programme**

PROGRAMME STRUCTURE

Part I: Semester I

BIOCHEM 0701:	Proteins – Structure, Folding and Engineering	(100) (70/30)
BIOCHEM 0702:	Essentials of Cell Biology	(100) (70/30)
BIOCHEM 0703:	Membrane Biology	(100) (70/30)
BIOCHEM 0704:	Immunology and Immuno techniques	(100) (70/30)
	Practicals based on theory papers	(200) (140/60)
Total marks	Theory	400
	Practicals	200

	Total	600

Part I : Semester II

BIOCHEM 0801:	Enzymes and Techniques in Biochemistry	(100) (70/30)
BIOCHEM 0802:	Seminar Paper	(100) (70/30)
BIOCHEM 0803:	Molecular Biology: Gene Structure, Expression and Regulation	(100) (70/30)
PMBB 0804:	*Bioinformatics	(100) (70/30)
	Practicals based on theory papers	(200) (140/60)

**multi-disciplinary course offered by the Department of Plant Molecular Biology and Biotechnology.*

Total marks	Theory	400
	Practicals	200

	Total	600

Part II : Semester III

BIOCHEM 0901:	Cellular Signalling	(100) (70/30)
BIOCHEM 0902:	Recombinant DNA Technology and Applications	(100) (70/30)

BIOCHEM 0903:	Seminar Paper	(100) (70/30)
BIOCHEM 0904:	Molecular Biology: Genome Replication, Repair and Eukaryotic Transcription	(100) (70/30)
BIOCHEM0905:	**Dissertation	(200) (140/60)

Total marks	Theory	400
	Dissertation	200

	Total	600
	Total	600

Part II : Semester IV

BIOCHEM 1001:	Developmental Biology	(100) (70/30)
BIOCHEM 1002:	Advanced Techniques in Genomics	(100) (70/30)
MICROBIO0803:	*Microbial Pathogenicity	(100) (70/30)
BIOCHEM 1004:	Proteomics and Metabolomics	(100) (70/30)
	**Dissertation	(200) (140/60)

**multi-disciplinary course to be offered by the Department of Microbiology.*

***As described in the preamble to the programme as well as in the scheme of examinations, the dissertation work will begin at the start of semester III and complete at the end of semester IV. The evaluation would be carried out at the end of semester IV.*

Total marks	Theory	400
	Dissertation	200

	Total	600

Grand Total

Theory (including 30% internal assessment)	1600
Practicals / Dissertation work including 30% internal assessment	800

Total	2400

SCHEME OF EXAMINATION

1. English shall be the medium of instruction and examination.
2. Examinations shall be conducted at the end of each Semester as per the Academic Calendar notified by the University of Delhi.
3. The system of evaluation shall be as follows:

Each theory paper will carry 100 marks of which 30% marks shall be reserved for internal assessment based on classroom participation, seminar, term courses, tests, viva-voce and attendance. The weightage given to each of these components shall be decided and announced at the beginning of the semester by the individual teacher responsible for the course. Any student who fails to participate in classes, seminars, term courses, test and viva-voce will be debarred from appearing in the end-semester examination in the specific course and no internal assessment marks will be awarded. His/her internal assessment marks will be awarded as and when he/she attends regular classes in the courses in the next applicable semester. No special classes will be conducted for him/her during other semesters. The duration of written examination for each paper shall be three hours.

Examinations for practicals for each semester 1 and 2 will comprise of 200 marks of which 30% marks will be reserved for internal assessment. Practical examination for each semester 1 and 2 would be for 8 hours duration in total.

Dissertation work would comprise of research work carried out by each student during the semesters 3 and 4 in the supervision of a particular faculty member. Each student will be assigned to a particular faculty member (mentor) at the beginning of semester 3 to plan and execute a research project. The student would carry out the review of literature on the topic of research and formulate the plan of work in consultation and in the supervision of the mentor. The student would then conduct the research experiments for the remaining part of semester 3 and total duration of semester 4 in the supervision of the mentor. Towards the end of semester 4, the student will compile the research work including review of literature, aims and objectives, methodology and results and discussion in the form of a dissertation in the supervision of the mentor. At the end of semester 4, students would make presentations in the presence of all faculty members and would be collectively judged by the faculty members. Marks will be assigned to each student collectively by the faculty based on his/her performance, work and continuous assessment throughout the year by the mentor.

Total marks for dissertation shall be 400 and evaluation will be as follows:

Continuous Evaluation (IA) ^{\$}	=	140 marks
Content and organization	=	140 marks
Presentation including viva-voce	=	120 marks
 Total	 =	 400 marks

^{\$}*Continuous evaluation / internal assessment will be based on attendance, intellectual ability, creativity, independent thinking, motivation, record keeping, laboratory discipline and planning & execution of experiments.*

- Examinations for courses shall be conducted only in the respective odd and even Semesters as per the Scheme of Examination. Regular as well as Ex-Students shall be permitted to appear/reappear/improve in courses of odd semesters only at the end of odd semesters and for even semester with the even.

PASS PERCENTAGE AND PROMOTION CRITERIA

- (a) The minimum marks required to pass any paper in a semester shall be 40% in theory and 40% in Practical, wherever applicable. The student must secure 40% in the End semester Examination and 40% in the total of End Semester Examination & Internal Assessment of the paper for both theory & practical separately.
- (b) No student will be detained in I or III Semester on the basis of his/her performance in I or III Semester examination; i.e. the student will be promoted automatically from I and II and III to IV semester.
- (c) A student shall eligible for promotion from 1st year to 2nd year of the course provided he/she has passed 50% papers of I and II semester taken together. However, he/she will have to clear the remaining paper/s while studying in the 2nd year of the programme.
- (d) Students who do not fulfill the promotion criteria (c) above shall be declared fail in the Part concerned. However, they shall have to option to retain the marks in the papers in which they have secured Pass marks as per Clause (a) above.
- (e) 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.

Reappearance in Passed Papers

- (a) A student may reappear in any theory paper prescribed for a semester, on foregoing in writing his/her previous performance in the paper/s concerned. This can be done once only in the immediate subsequent semester examination only (for example, a student reappearing in a paper prescribed for Semester I examination, may do so along with the immediate next Semester III examinations only).
- (b) A candidate who has cleared the papers of Part II (III & IV Semesters) may reappear in any paper of III or IV Semester only once, at the immediate subsequent examination on foregoing in writing his/her previous performance in the paper/s concerned, within the prescribed span period.

(Note: The candidate of this category will not be eligible to join any higher course of study).
- (c) In the case of reappearance in a paper, the result will be prepared on the basis of candidate's current performance in the examination.
- (d) In the case of a candidate, who opts to re-appear in any paper/s under the aforesaid provisions, on surrendering his/her earlier performance but fails to reappear in the paper/s concerned, the marks previously secured by the candidate in the paper/s in which he/she has failed to re-appear shall be taken into account while determining his/her result of the examination held currently.
- (e) Reappearance in Practical examinations, dissertation, project and field work shall not be allowed.
- (f) A student who reappears in a paper shall carry forward the internal assessment marks, originally awarded.

Division Criteria

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	:	1 st Division
Candidates securing 50% and above but less than 60%	:	2 nd Division
Candidates securing 40% and above but less than 50%	:	3 rd Division

Span Period

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 1 of the M.Sc. program.

Attendance Requirement

No student shall be considered to have pursued a regular course of study and be eligible to take examination unless he/she has attended 75% of the total number of lectures, tutorials, seminars and practicals conducted in each semester, during his/her course of study. Under special circumstances, the Head of the Department may allow students with at least 65% attendance to take the examination.

Note:

The promotion/passing/attendance/other rules are subject to change from time to time by the University, and the rules prevailing at that time will be applicable.

27. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding minor change in the syllabus of M.Sc. (Genetics) from the academic session 2015-2016 (E.C. 13.10.2015).

PROGRAMME STRUCTURE

The M.Sc. Programme is divided into two parts as under. Each part will consist of two semesters totaling to four semesters.

PART I: Semester – 1

Paper Gen 0701 -	Introduction to Genetic Analysis	100
Paper Gen 0702 -	Chromosomes, Genes and Genomes	100
Paper Gen 0703 -	Cell Biology and Biochemistry	100
Paper Gen 0704 -	Bioinformatics and Biostatistics	100
Paper Gen 0705 -	Practicals (Based on Theory)	200
Total Marks	Theory	400
	Practicals	200
Grand Total		600

PART I: Semester – 2

Paper Gen 0801 -	Population, Evolutionary and Quantitative Genetics	100
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Paper Gen 0802 -	Molecular Biology	100
Paper Gen 0803 -	Regulation of Gene Expression	100
Paper Gen 0804 -	Recombinant DNA Technology	100
Paper Gen 0805 -	Practicals (Based on Theory)	200
Total Marks	Theory	400
	Practicals	200
Grand Total		600

PART II: Semester – 3

Paper Gen 0901 -	Microbial Genetics	100
Paper Gen 0902 -	Human Genetics	100
Paper Gen 0903 -	Plant Genetics and Breeding	100
Paper Gen 0904 -	Plant Biotechnology	100
Paper Gen 0905 -	Practicals (Based on Theory)	200
Total Marks	Theory	400
	Practicals	200
Grand Total		600

PART II: Semester – 4

Paper Gen 1001 -	Developmental Biology	100
Paper Gen 1002 -	Immunology	100
Paper Gen 1003 -	Two Optional Courses (Details given below)	150
Paper Gen 1004 -	Project Work	200
Paper Gen 1005	Practical (Based on Theory) (on core courses – 50 marks)	50
Total Marks	Theory	350
	Project Work	200
	Practical	50
Grand Total		600

Each theory paper will be of 70 marks in the final examination and 30 marks are for internal assessment (25 marks for class tests / seminar / dissertation + 5 marks for attendance).

List of Optional Courses: Any two optional courses to be selected from the following list (Each optional paper will be of 52½ marks in the final examination and 22½ marks are for internal assessment (18¾ marks for class tests / seminar + 3¾ marks for attendance)):

1. Advances in *Drosophila* Genetics
2. Biology of *Dictyostelium*
3. Cancer Biology and Genetics
4. Medical Genomics
5. Plant-Microbe Interactions
6. RNAi: Biology and Applications
7. Yeast Molecular Genetics

Note: Minimum of three students necessary to offer an optional course.

28. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding modification in eligibility criteria for admission in M.Sc. (Genetics) from the academic session 2016-2017 (E.C. 13.10.2015).

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

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. Amendments to Appendix II to Ordinance V(2) & VII and to all other relevant Ordinances of the University regarding content prepared by the National Council of Teacher Education (NCTE) for Two year B.P.Ed. Course (which was earlier run as one year B.P.Ed. Course at IGIPSS). (E.C. 13.10.2015).

SCHEME OF EXAMINATION

Semester – I

Paper	Subject	Internal	External	Total Marks
	THEORY (400)			
CC-101	History, Principles and foundation of Physical Education	30	70	100
CC-102	Anatomy, Physiology, Sports Medicine, Physiotherapy and Rehabilitation	30	70	100
CC-103	Health Education and Environmental Studies	30	70	100
CC-104	Olympic Movement	30	70	100
	PRACTICAL (400)			
PC-101	Track and Field (Running Events)	30	70	100
PC-102	Swimming/Gymnastics/Shooting	30	70	100
PC-103	Indigenous Sports: Kabaddi/ Malkhambh/ lezim / March past (Any of one out of these)	30	70	100
PC-104	Mass Demonstration Activities: Kho-Kho / dumbbells / tipri / wands / hoop /umbrella (Any one out of these)	30	70	100
	Total	240	560	800

Semester – II

	Subject	Internal	External	Total Marks
	THEORY (400)			
CC-201	Yoga Education	30	70	100
CC-202	Educational Technology and Methods of Teaching in Physical Education	30	70	100
CC-203	Organization, Administration and Sport Management	30	70	100
CC-204	Contemporary issues in physical education, fitness and wellness, Sports Nutrition and Weight Management	30	70	100
	PRACTICAL (300)			
PC-201	Track and Field (Jumping Events)	30	70	100
PC-202	Yoga/Aerobics / Swimming / Gymnastics (Any of the two out of these)	30	70	100
PC-203	Racket Sports: Badminton/ Table Tennis/ Squash/ Tennis (Any of the two out of these)	30	70	100
	TEACHING PRACTICE (100)			
TP-201	Teaching Practice (Classroom and outdoor)	30	70	100
	Total	240	560	800

Semester – III

	Subject	Internal	External	Total Marks
	THEORY (400)			
CC-301	Sports Training	30	70	100
CC-302	Computer Applications in Physical Education	30	70	100
CC-303	Sports Psychology and Sociology	30	70	100
CC-304	Curriculum Design	30	70	100
	PRACTICAL (300)			
PC-301	Track and Field (Throwing Events)	30	70	100
PC-302	Combative Sports : Martial Art, Karate, Judo, Fencing, Boxing, Taekwondo, Wrestling (Any two out of these)	30	70	100
PC-303	Team Games: Baseball, Cricket, Football, Hockey, Softball, Volleyball, Handball, Basketball, Netball (Any two of these)	30	70	100
	TEACHING PRACTICE (100)			
TP-301	Teaching Practice (Teaching Lesson Plans for Racket Sport/ Team Games/Indigenous Sports)	30	70	100
	Total	240	560	800

Semester – IV

	Subject	Internal	External	Total Marks
	THEORY (400)			
CC-401	Measurement and Evaluation in Physical Education	30	70	100
CC-402	Kinesiology and Biomechanics	30	70	100
CC-403	Research and Statistics in Physical Education	30	70	100
CC-404	Theory of sports and games and officiating and Coaching (Specifically sports and games specialization)	30	70	100
	PRACTICAL (200)			
PC-401	Track and Field/Swimming /Gymnastics (Any of one out of these)	30	70	100
PC-402	Kabaddi/ Kho-Kho/ Baseball/ Cricket/ Football/Hockey/Softball/ Volleyball/ Handball/ Basketball/ Netball/ Badminton/ Table Tennis/ Squash/ Tennis (Any of one out of these)	30	70	100
	TEACHING PRACTICE (200)			

TP-401	Sports Specialization: Coaching lessons Plans Track and Field/Swimming /Gymnastics (Any of one out of these)	30	70	100
TP-402	Game specialization Coaching lessons: Kabaddi/ Kho-Kho/ Baseball/ Cricket/Football/Hockey /Softball/ Volleyball/ Handball/ Basketball/ Netball/ Badminton/ Table Tennis/ Squash/ Tennis (Any of one out of these)	30	70	100
	Total	240	560	800

30. Amendments to Ordinance XXIV and to all other relevant Ordinances of the University regarding Guidelines for Screening/Shortlisting of Candidates for Appointment to the Post of Assistant Professor in the University and its Colleges. (E.C. 13.10.2015).

S.no. 3 of table (I) {a} of the guidelines under reference, pertaining to academic qualification for University departments may be read as follows:-

S. No.	Examination	Category I ($\geq 60\%$)	Category II ($\geq 50\%$ but $\leq 60\%$)
3.	M.Phil/PG Degree in Professional Courses such as LL.M., M.Tech, M.V.Sc., M.D. (in relevant subject)	5*	

Instead of

S. No.	Examination	Category I ($\geq 60\%$)	Category II ($\geq 50\%$ but $\leq 60\%$)
3.	M.Phil	5*	

S.no. 3 of table (I) {b} of the guidelines under reference, pertaining to academic qualification for Colleges may be read as follows:-

S. No.	Examination	Category I ($\geq 60\%$)	Category II ($\geq 50\%$ but $\leq 60\%$)
3.	M.Phil/PG Degree in Professional Courses such as LL.M., M.Tech, M.V.Sc., M.D. (in relevant subject)	10*	

Instead of

S. No.	Examination	Category I ($\geq 60\%$)	Category II ($\geq 50\%$ but $\leq 60\%$)
3.	M.Phil	10*	

31. Amendment to Regulations regarding Constitution and Meetings of Committee of Courses & Studies in the Faculty of Medical Sciences. (Page no. 692 of University Calendar Vol – II) (E.C. 13.10.2015).

Existing	Amended
<p>(i) The Head of the Department of the University shall be the Chairman.</p> <p>(ii) The College Head of the department concerned shall be one of the members (namely MAMC/LHMC/UCMS/VPCI).</p> <p>(iii) One Professor from each institution by rotation (the rotation shall be seniority wise).</p> <p>(iv) One Reader/Associate Professor from each institution by rotation (the rotation shall be seniority wise).</p>	<p>(i) The Head of the Department of the University shall be the Chairman.</p> <p>(ii) The College Head of the department concerned (namely MAMC/LHMC/UCMS/VPCI).</p> <p>(iii) The senior-most teacher/next senior to Head of the Department from each college.</p> <p>(iv) One Professor by rotation from each college.</p> <p>(v) One Associate Professor by rotation from each college.</p> <p>Note:</p> <p>a) The term of the membership of serial no. (iv) & (v) above shall be of two years.</p> <p>b) Quorum – Quorum of the CCS meeting shall be 1/3rd of the members.</p> <p>c) The notice of the meeting be issued at least three days before the commencement of the meeting except emergent meeting.</p>

32. Amendment to Regulations regarding Constitution and Meetings of Committee of Courses & Studies (Super-Speciality Courses) in the Faculty of Medical Sciences. (Page no. 692 of University Calendar Vol – II) (E.C. 13.10.2015).

DM Courses

Existing	Amended
<p>(i) The Head of the Department of the University in Medicine shall be the Chairman of the Committee.</p>	<p>(i) The Head of the Department of the University in Medicine shall be the Chairman of the Committee.</p>

<p>(i) The College Head in each of the Department shall be the one of the member (LHMC, MAMC, UCMS/VPCI).</p> <p>(ii) (One Professor by rotation from each Department (the rotation shall be on the basis of seniority).</p> <p>(iii) (One Reader/Associate Professor by rotation from each Department (the rotation shall be on the basis of seniority).</p>	<p>(ii) (The College/Institute Head in each of the Department shall be the one of the member.</p> <p>(iii) The senior-most teacher/next senior to Head of the Department from each college/Institution.</p> <p>(iv) One Professor by rotation from each college.</p> <p>(v) One Associate Professor by rotation from each college.</p>
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M.Ch. Courses

Existing	Amended
<p>(i) The Head of the Department of the University in Surgery shall be the Chairman of the Committee.</p> <p>(ii) The College Head in each of the Department shall be the one of the member (LHMC, MAMC, UCMS/VPCI).</p> <p>(iii) One Professor by rotation from each Department (the rotation shall be on the basis of seniority).</p> <p>(iv) One Reader/Associate Professor by rotation from each Department (the rotation shall be on the basis of seniority).</p>	<p>(i) The Head of the Department of the University in Surgery shall be the Chairman of the Committee.</p> <p>(ii) The College/Institute Head in each of the Department shall be the one of the member.</p> <p>(iii) The senior-most teacher of the Department from each college/Institution.</p> <p>(iv) (One Professor by rotation from each college.</p> <p>(v) One Associate Professor by rotation from each college.</p> <p>Note:</p> <p>a) The term of the membership of serial No.(iv) & (v) of DM/M.Ch. Courses shall be for two years.</p> <p>b) Quorum – Quorum of the CCS meeting shall be 1/3rd of the members.</p> <p>c) The notice of the meeting be issued at least three days before the commencement of the meeting except emergent meeting.”</p>


REGISTRAR
