

## MASTER OF SCIENCE (2-YEAR COURSE) EXAMINATION

**1.1.** There shall be an examination for the degree of Master of Science in the subjects of Physics, Chemistry, Zoology and Anthropology. The duration of the Course shall be two years.

**1.2.** The examination for these Courses shall be held in two parts-

Part I at the end of the first year of the Course and Part II at the end of the second year of the course - once a year ordinarily in the month of April on a date fixed by Syndicate.

**1.3.** The last date for receipt of admission form and fee with and without late fee as fixed by Syndicate from time to time, shall be notified to the Heads of Departments and affiliated colleges concerned.

**2.1.** A person who has passed one of the following examinations shall be eligible to join Part I (First year) class of the Course :-

### *Anthropology*

B.A. or B.Sc. examination of the Panjab University or any other examination recognised by the Syndicate as equivalent thereto;

### *Physics and Chemistry*

- (a) B.Sc. Honours School examination of the Panjab University in the subject of the M.Sc. Course;
- (b) B.Sc. examination of the Panjab University securing at least 50% marks in aggregate and with Physics & Mathematics for M.Sc. Physics Course and with Chemistry & Mathematics for M.Sc. Chemistry along with anyone of the following subjects :-

Bio-Chemistry, Botany, Chemistry, Geology, Physics, Statistics, Zoology.

\*Provided that a student who had not taken up Mathematics as one of the subjects in B.Sc. examination may be admitted to M.Sc. (2- Year Course) in Chemistry on the condition that he passes an additional paper in Mathematics (50 hours course) in the first semester examination securing at least 40% marks.

- (c) Awarded B.Sc. Pass degree under the old B.Sc. Honours School regulations by the Syndicate on the recommendation of the Board of Control;
- (d) B.Sc. Honours School examination in the subject of the M.Sc. from any other University recognised by the Syndicate as equivalent to (a);
- (e) B.Sc. examination of any other University recognised by the Syndicate securing at least 50% marks in aggregate and with Physics & Mathematics for M.Sc. Physics course and with Chemistry & Mathematics for M.Sc. Chemistry course along with any one of the following subjects :-

Bio-Chemistry, Botany, Chemistry, Geology, Physics, Statistics, Zoology.

### *Zoology*

B.Sc. with Zoology having at least 50 per cent marks in the aggregate from Panjab University or from any other University recognized by the Syndicate as equivalent thereto.

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\*To take effect from the admissions of 1984.

**3.1.** The examination in Part I/II shall be open to a student who has passed one academic year previously the examination as laid down in Regulation 2, and whose name is sent to the Controller of Examinations by the Head of the University Department/Principal of the affiliated college he has most recently attended and who produces the following certificates signed by the Head of the University Department/Principal of the affiliated college concerned :

- (a) of having been on the rolls of the University Department/Affiliated college for the academic year preceding the examination;
- (b) of having good character; and
- (c) of having attended not less than (a) 66 per cent of the full course of lectures delivered to his class in each of the prescribed papers, and (b) 66 per cent of the periods assigned to each practical prescribed in the syllabus and (c) in the case of dissertation or thesis, of having completed it as directed by the Head of the Department.

The candidate(s) must submit his dissertation/thesis so as to reach the University at least 20 days before the commencement of Part II examination.

**3.2.** A student who has completed the prescribed course of instruction in a University Department/Affiliated College for Part I/II examination, but does not appear in it or having appeared fails, may be allowed on recommendation of the Head of the University Department/Principal of the affiliated college concerned, three consecutive chances to appear in the examination as a late college student, without attending a fresh course of instruction.

**4.** A deficiency in the prescribed number of lectures may be condoned as under :

- (a) up to 10 lectures in each .. By the Head of the Department/  
paper and 10 practicals Principal of the affiliated college.
- (b) up to 20 lectures in each .. By the Syndicate:  
paper and 20 practicals

**5.** The amount of admission fee to be paid by a candidate for each part of the examination shall be as prescribed by the Syndicate from time to time.

**6.** The medium of examination shall be English.

**7.1.** Every candidate shall be examined according to the syllabus prescribed.

**7.2.** In addition, there shall be Internal Assessment of 100 marks in each part of the examination. Head of the Department/Principal of the college shall send to the University internal assessment awards of each candidate 15 days before the commencement of the examination in accordance with rules laid down by Syndicate.

**8.1.** The minimum number of marks required to pass the examination shall be-

- (a) 33 per cent in each written paper;
- (b) 33 per cent in each practical;
- (c) 33 per cent in internal assessment; and
- (d) 40 per cent in the aggregate of (a), (b) and (c) above.

**8.2.** Save as provided in Regulation 8.1, a candidate appearing in Part I/II examination shall be deemed to have passed the examination if he obtains :

- (a) at least 50 per cent marks in the aggregate of all the papers; and
- (b) at least 25 per cent in the individual papers.

**9.** A candidate who, having completed the prescribed course of instruction for the examination, has not appeared either in Part I examination or having appeared in the examination has failed, will be allowed three consecutive chances only, from the date of completion of the course, to appear in Part I examination, after which he shall not be allowed to continue his studies for the M.Sc. course. If, however, a candidate is unable to appear in any examination within the period of three consecutive years, owing to his illness, he may be given the next succeeding chance, on application, accompanied by a medical certificate duly recommended by the Head of the Department but this permission shall be limited to the number of examination(s) missed by a candidate owing to his/her illness.

**10.1.** Four weeks after the termination of the examination or as soon as is possible, the Controller of Examinations shall publish a list of successful candidates. Each successful candidate of Part I examination shall receive a certificate.

**10.2.** The successful candidates of Part II examination shall be classified into three Divisions as under :

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|---------------------|----|---|
| (a) First Division  | .. | Those who obtain 60 per cent or more of the aggregate marks in Part I and Part II examinations, taken together.                           |
| (b) Second Division | .. | Those who obtain 50 per cent or more but less than 60 per cent of the aggregate marks in Part I and Part II examinations, taken together. |
| (c) Third Division  | .. | Those who obtain less than 50 per cent of the aggregate marks in Part II examination, taken together.                                     |

**11.** A successful candidate may publish original results of his thesis, if permitted by the Head of the Department, as papers, in journals of repute.

**12.** A person who has passed M.Sc. (2-Year course) examination of this University held in April, 1973 or thereafter in the third division may be allowed to re-appear as a private candidate in the same subject for the purposes of improving his division and for this purpose, he may be given two consecutive chances.

- (a) he may re-appear in both Part I and Part II examinations simultaneously or separately or re-appear in only one Part.
- (b) if he chooses to re-appear in both the Parts simultaneously, he shall do so in the year next following.
- (c) if he chooses to re-appear in both the Parts separately, he must complete the examination within a period of next two years from the year of his passing the examination.
- (d) if he chooses to re-appear only in one Part, he shall do so in the year next following.
- (e) the syllabus and courses of reading will be the same as for the year in which he was taken the examination for purposes of improvement of third division.

His result will be declared only if he improves the division.

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## MASTER OF SCIENCE IN HOME SCIENCE EXAMINATION

**1.1.** The duration of the course of instruction of the examination for the degree of M.Sc. in Home Science shall be two years and the examination shall be held in two parts viz. Part I at the end of the course of first year and Part II at the end of the course of second year.

These examinations shall ordinarily be held once a year in April on a date fixed by the Syndicate.

**1.2.** The examination for the degree of M.Sc. (Home Science) shall be held in the following subjects and a candidate shall offer any one of them :

- (i) Home Science (General);
- (ii) Home Management;
- (iii) Child Development; and
- (iv) Clothing & Textiles.

**1.3.** The last date for receipt of admission form and fee with and without late fee shall be as fixed by the Syndicate from time to time.

**1.4.** The schedule of dates fixed in accordance with Regulations 1.1 and 1.3 shall be notified by the Controller of Examinations to all the affiliated colleges.

**2.1.** A woman who has passed one of the following examinations shall be eligible to join the first year (Part I) of the M.Sc. Home Science course :

- (a) B.Sc. (Home Science) degree either of the Panjab University or of any other University whose examination has been recognised as equivalent Examination of this University with at least 50 per cent marks in aggregate.
- (b)
  - (i) F.Sc. (Certificate) with 50 per cent marks in aggregate and B.A. or B.Sc. degree with 50 per cent marks in aggregate.
  - (ii) 2-year Diploma from Lady Irwin College, New Delhi, with 50 per cent marks in aggregate.
  - (iii) Five years' experience of teaching Home Science either Higher Secondary classes or in an affiliated college.

**2.2.** A woman who has passed the first year (Part I) examination for the degree of M.Sc. Home Science of the Panjab University shall be eligible to join the second year (Part II) of the M.Sc. Home Science course, provided that she passed Part I examination not more than three years previously.

**3.1.** The examination in Part I/II shall be open to a student, who –

- (a) has passed not less than one academic year previously the requisite examination as laid down in Regulation 2;
- (b) has her name submitted to the Controller of Examinations by the Principal of the College she has most recently attended and produces the following certificates signed by the Principal of that college :
  - (i) of good character;
  - (ii) of having been on the rolls of an affiliated college for the academic year preceding the examination;
  - (iii) of having attended not less than 66 per cent of lectures and practicals held in each of the subjects in which she is to be examined;
  - (iv) or having completed the Class Assessment in each subject, as prescribed in the syllabus.

**3.2.** A candidate who does not pass Part I examination in three consecutive years shall not be allowed to continue her studies for this course.

**3.3.** Every candidate shall submit 3 copies of her Project Report/Thesis by March 31, of the year of examination.

If a candidate has failed in the examination but has obtained pass marks in the Project Report and/or Thesis, the marks obtained in the Project Report/Thesis may be carried forward at the option of the candidate for two subsequent years without fresh assessment. After two years, the candidate must revise Report/Thesis and resubmit it for fresh assessment.

**4.** A deficiency in the prescribed number of lectures may be condoned as under :

- (a) if the deficiency is up to 15 in lectures and 7 in practicals. .. By the Principal of the college.
- (b) If the deficiency is up to 30 in lectures and 14 in practicals. .. By the Syndicate.

**5.** The amount of admission fee to be paid by a candidate for Part I & II shall be as prescribed by the Syndicate from time to time.

**6.** The medium of examination shall be English.

**7.** Every candidate shall be examined in the subjects and the syllabus prescribed by the Senate.

**8.** The minimum number of marks required to pass this examination shall be –

- (a) 40 per cent in each written paper and practical examination separately;
- (b) 50 per cent in Class Assessment of each subject.
- (c) 45 per cent in the aggregate of all the subjects, including class Assessment;
- (d) 50 per cent in the project; and
- (e) 50 per cent in the Thesis.

**9.** The college shall submit to the University on the prescribed proforma, Class Assessment marks at least 10 days before the commencement of the examination.

**10.1.** Four weeks after the termination of the examination or as soon as may be possible, the Controller of Examination shall publish a list of the candidates who have passed the examination.

**10.2.** The successful candidates shall be classified, as under, on the total aggregate number of marks obtained in the Part I and II examination taken together :

- (a) Those who obtain 60 per cent or more of the aggregate marks. .. First Division.
- (b) Those who obtain more than 50 per cent and less than 60 per cent of the aggregate marks. .. Second Division.
- (c) Those who obtain less than 50 per cent of the aggregate marks. .. Third Division

**10.3.** Each successful candidate of Part I shall receive a certificate of having passed that part of the examination.

Each successful candidate of Part II examination shall receive a degree showing the division in which she had passed.

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### **M.Sc. HOME SCIENCE EXAMINATION (SEMESTER SYSTEM)**

**1.** Under the Semester System each academic year shall consist of two semesters i.e. July to November/December and December/January to the end of April. The first semester examination shall ordinarily be held in the month of November/December and the second semester in April/May on such dates as may be fixed by the Syndicate.

**2.** A person who has passed B.Sc. Home Science examination with at least 50% marks in the aggregate from the Panjab University or an examination from any other University, recognised as equivalent thereto, shall be eligible to join M.Sc. Home Science.

**3.** The date of examination and the last date for receipt of admission form with requisite fee as fixed by the Syndicate, shall be notified by the Controller of Examinations.

**4.** A candidate shall submit her admission application on the prescribed form, alongwith prescribed fee for each semester examination with the required certificates duly countersigned by the Principal.

**5.** The examination fee to be paid by a candidate for each semester examination shall be as prescribed by the Syndicate from time to time.

**6.** A candidate shall, on re-appearing, pay the examination fee, as prescribed in Regulation 5, but the total amount shall not exceed the amount of examination fee for two semester.

**7.** The examination in each semester shall be open to a candidate, who fulfils the requirements of qualifications laid down in Regulation 2 and produces the following certificates duly signed by the Principal –

- (i) of having been on the rolls of the college for the semester preceding the examination;
- (ii) of having attended not less than 66 per cent of the lectures, seminars, tutorials etc., separately in each paper during the semester.

**8.** A deficiency in the prescribed number of lectures, seminars, tutorials, etc., up to 10 per cent may be condoned by the Principal of the college. The Vice-Chancellor will have the power to condone another 10 per cent of the lectures delivered on the recommendation of the Principal.

**9.** A candidate who does not fulfil the attendance requirement in any course will have to repeat the instruction in the course when it is offered next, if she requires credit for that.

**10.** The medium of examination shall be English.

**11.** To qualify for the award of M.Sc. degree in Home Science under the semester system, a candidate shall be required to complete successfully course work of 64 credits in the major and allied subjects, with the provision that not less than 2/3rd credits shall be in the major subject and the programme of each candidate will be subject to the approval of Board of Studies.

**12.** The credit value of the courses need not be uniform in all cases. A course may be of 2, 3, 4 or more credits depending upon the quantum of work to be done in it. A 4-credit course will normally involve 4 hours of instruction and tutorial work in a week. The credits to be allotted to a dissertation may be decided by the Board of Studies subject to a maximum of 8 credits.

**13.** The average work load of whole-time students during a semester will be of 16 credits. However, the Board of studies may permit a minimum work load of 12 and a maximum of 20 credits, depending upon the capability of a student.

**14.** A college offering M.Sc. Home Science would announce in advance the courses it would offer in each of the semesters during the following two academic years, enabling the students to adjust their programme of study, in such a way that they are able to take up, in addition to the compulsory courses, as many courses of their choice as possible. The quantum of compulsory course work will be decided by Board of Studies separately.

**15.** To qualify for grant of credits in a particular course a candidate must get at least the pass marks; if she fails in a course, she will not get credit for its. She may repeat the course as a regular student in which she has failed when it is offered next. She may also be allowed to take the examination for such a course without attending the classes.

If at the end of the second semester her successfully completed courses remain less than 16 credits, she will not be allowed to join the third semester. At the end of the third semester she must have successfully completed 24 credits to enable her to join 4th semester.

**16.** The assessment in each course will be on the basis of :

- (i) Semester Examination (at the end of Semester); and
- (ii) Mid-Semester Test/Term Papers/Assignments, etc.

**17.** The University will maintain a separate official transcript for each candidate, mentioning the Courses taken, credit value of each course and marks obtained by her.

**18.** The semester examination for the various courses shall consist of written examination as well as practicals or such other test or tests as may be decided from time to time by the Academic Council.

Provided that the Academic Council may waive the condition of written examination for project/field work/comprehensive examination/experiment and other appropriate cases on recommendation of the Board of Studies.

**19.** Subject to the provisions contained in Regulation 16, 25 per cent of the total number of marks in each course in each semester shall be assigned for internally assessment i.e. mid-semester test/term papers/assignments, etc.

**20.** The Principal of the college shall forward the marks obtained by the candidates on the basis of mid-semester tests/term papers/assignments etc. to the Controller of Examinations at least two weeks before the commencement of the examination.

**21.** If a candidate is unable to appear in any of the mid-semester tests on medical grounds, the Principal of the College may hold another test for purpose of internal assessments.

**22.** The Principal of the College will preserve the records on the basis of which the internal assessment awards have been prepared for inspection, if needed, by the University upto six months from the date of declaration of the result of each semester.

**23.** A candidate shall be deemed to have passed the examination if she obtains :

- (a) 40 per cent in each written paper and practical examination separately;
- (b) 50 per cent in Class Assessment of each subject;
- (c) 45 per cent in the aggregate of all the subjects, including Class Assessment;

- (d) 50 per cent in the Project; and
- (e) 50 per cent in the Thesis.

Each candidate shall be required to have obtained pass marks in each course of theory and Practicals separately in each semester.

**24.** The successful candidates shall be classified into three Divisions as under :-

- (a) First Division .. Those who obtain 60 per cent or more of the aggregate marks of all semester examinations, taken together.
- (b) Second Division .. Those who obtain 50 per cent or more but less than 60 per cent of the aggregate marks of all semester examinations, taken together.
- (c) Third Division .. Those who obtain less than 50 per cent of the aggregate marks of all semester examinations, taken together.

**25.** Four weeks after the termination of the examination or as soon as possible, the Controller of Examinations shall publish the result of the candidate.

**26.** Candidates who have successfully completed the course of 64 credits shall be awarded M.Sc. Home Science Degree.

**27.** A candidate who has passed the M.Sc. examination from this University under the semester system may re-appear as a private candidate in a course/s she wishes to, with a view to improving her performance. For this purpose, she may be given two chances, within a period of 5 years from the date of her passing the degree course. The candidate in the first instance shall be required to intimate all the courses in which she would like to improve her performance. She will then appear in the respective course/s at the main semester examination i.e., for the courses offered for First and Third semesters in November/December examination and for the Second and Fourth semesters in April/May examination. If she does not improve her performance in any course/s, she shall be eligible to do so in the following year in the semester examination concerned which would be treated as a second chance. The candidate shall be charged a fee prescribed by the Syndicate from time to time for each course, subject to the maximum examination fee prescribed for the semester concerned.

**28.** The marks obtained by a candidate in internal assessment who is allowed to re-appear under Regulation 27 shall be carried forward.

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## POST-GRADUATE DIPLOMA IN DRESS DESIGNING

**1.1.** The duration of the course for the Diploma in Dress Designing shall be one academic year.

**1.2.** The examination shall be held once a year ordinarily in the month of May on such dates as may be fixed by the Syndicate.

**1.3.** The last date for receipt of admission form and fee without and with late fee as fixed by the Syndicate, from time to time shall be notified by the Controller of Examinations.

**2.** A person who possesses one of the following qualifications shall be eligible to join the course :

- (i) B.Sc. Home Science from the Panjab University with at least 50% of the aggregate marks;
- (ii) any other examination recognised by the Syndicate, as equivalent to (i) with Clothing & Textiles (Practical) as one of the subjects;
- (iii) B.A. with Home Science as one of the subjects (with Clothing & Textiles Practical).

**3.1.** The examination shall be open to a student who possesses the qualifications laid down in Regulation 2, has been on the rolls of the college and produces the following certificates duly signed by the Principal :

- (i) of good character;
- (ii) of having been on the rolls of the college for the academic year preceding the examination;
- (iii) of having attended not less than 66 per cent of the lectures delivered and the practicals conducted separately;
- (iv) of having completed the class assessment in each subject, as prescribed in the syllabus.

**3.2.** A student who having attended the prescribed number of lectures, and practicals does not appear in the examination or having appeared in the examination has failed in the examination but has obtained pass marks in the internal assessment, shall have the option to have her internal assessment marks carried forward for two subsequent years without attending the course afresh and shall be allowed to take the examination during this period as a late college student. After two years she shall have to join the college as a regular student.

**4.** A deficiency in the prescribed number of Lectures may be condoned asunder :-

- (i) If the deficiency is up to 15 in .. By the Principal of the College theory and 8 in practicals.
- (ii) If the deficiency is up to 25 in .. By the Vice-Chancellor theory and 16 in practical.

**5.** The amount of examination fee to be paid by a candidate shall be as prescribed by the Syndicate from time to time.

**6.** The medium of examination shall be English.

**7.** Every candidate shall be examined in the subjects and the syllabus prescribed by the Senate.

**8.** The minimum number of marks required to pass the examination shall be :

- (i) 40 per cent in each written paper and practicals separately;
- (ii) 50 per cent in Class Assessment of each subject separately in theory and practicals;
- (iii) 45 per cent in the aggregate.

**9.** The College shall submit to the University on the prescribed proforma, class assessment of the examination.

**10.1.** Four weeks after the termination of the examination or as soon as feasible, the Controller of Examinations shall publish the result.

**10.2.** Successful candidates shall be classified as under :

- (a) Those who obtain 60 per cent or more of the .. First Division aggregate marks;
- (b) Those who obtain 50 per cent or more but below .. Second Division 60 per cent of the aggregate marks;
- (c) Those who obtain less than 50 per cent of the .. Third Division aggregate marks.

**10.3.** Each successful candidate shall be granted a Diploma stating the Division in which she has passed. Marks obtained in each subject shall also be supplied to each candidate.

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## **POST-GRADUATE DIPLOMA COURSE IN NUTRITION DIETETICS**

*(To take effect from the admissions of 1984)*

**1.** The duration of the course for the Post-Graduate Diploma in Nutrition Dietetics shall be one academic year.

**2.** A candidate who has passed one of the following examinations shall be eligible to join the course :

- (i) B.Sc. Home Science from Panjab University with atleast 50% of the aggregate marks;
- (ii) Any other examination recognised by the Panjab University as equivalent to (i).

**3.** The examination shall be open to a student who possesses the qualifications laid down in Regulation 2, has been on the rolls of the college and produces the following certificates duly signed by the Principal :-

- (i) of good character;
- (ii) of having been on the rolls of the college for the academic year preceding the examination;
- (iii) of having attended not less than 66% of the lectures delivered and practicals held in the subjects in which he is to be examined;
- (iv) of having completed the internal assessment in each subject, as prescribed in the syllabus.

**4.** The examination shall be held once a year ordinarily in the month of May on such dates as may be fixed by the Syndicate.

**5.** The date of commencement of the examination and the last date for receipt of examination admission forms without and with late fee shall be notified by the Controller of Examinations. The examination fee to be paid by a candidate shall be as prescribed by the Syndicate from time to time.

**6.** A student who having attended the prescribed number of lectures, does not appear in the examination or having appeared in the examination has failed in the examination but has obtained pass marks in the internal assessment, shall have the option to have his internal assessment marks carried forward for two subsequent years without attending the course afresh and shall be allowed to take the examination during this period as a late college student. After two years, he shall have to join the college as a regular student.

**7.** Deficiency in the prescribed number of lectures may be condoned as under :-

- (i) If the deficiency is up to 15 in .. By the Principal of the college theory and 8 in practicals.
- (ii) If the deficiency is up to 25 in .. By the Vice-Chancellor. theory and 16 in practicals.

**8.** The examination shall be held in accordance with the syllabus prescribed by the Senate and the medium of examination shall be English.

- 9.** The minimum number of marks required to pass the examination shall be—
- (a) 40 per cent in each written paper and practical separately;
  - (b) 50 per cent in internal assessment of each subject separately in theory and practicals;
  - (c) 45 per cent in the aggregate.
- 10.** The college shall submit to the University on the prescribed proforma, internal assessment marks at least 10 days before the commencement of the examination.
- 11.** Four weeks after the termination of the examination or as soon as feasible, the Controller of Examinations shall publish the result.
- 12.** Successful candidates shall be classified as under —
- (a) Those who obtain 60 per cent or more of the .. First Division aggregate marks
  - (b) Those who obtain 50 per cent or more but less .. Second Division 60 per cent of the aggregate marks.
  - (c) Those who obtain less than 50 per cent of the .. Third Division aggregate marks.
- 13.** Each successful candidate shall be granted a Diploma stating the division in which he has passed. Marks obtained in each subject shall also be supplied to each candidate.
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## POST-GRADUATE DIPLOMA COURSE IN CLINICAL NUTRITION

**1.1.** The duration of the course for Post-graduate Diploma in Clinical Nutrition shall be one in academic year.

**1.2.** The examination shall be held once a year in the month of May or on such dates as may be fixed by the Syndicate.

**1.3.** The last date for receipt of admission forms and fee without late fee and with late fee as fixed by the Syndicate from time to time, shall be notified by the Controller of Examinations.

**2.** A person who possesses one of the following qualifications shall be eligible to join the course :-

- (i) B.Sc. Home Science;
- (ii) B.Sc. (Science) with Medical group;
- (iii) Any other examination recognised by the Panjab University as equivalent to (i) or (ii).

**3.1.** The examination shall be open to a student who possesses the qualifications laid down in Regulation 2, has been on the rolls of the college and produces the following certificates duly signed by the Principal :-

- (i) of good Character;
- (ii) of having been on the rolls of the college for the academic year preceding the examination;
- (iii) of having attended not less than 66% of the lectures delivered and the practicals conducted separately;
- (iv) of having completed the class assessment in each subject, as prescribed in the syllabus.

**3.2.** A student who having attended the required number of lectures, does not appear in the examination or having appeared in the examination has failed but has obtained pass marks in the internal assessment, shall have the option to have her internal assessment marks carried forward for two subsequent years without attending the course afresh and shall be allowed to take the examination during this period as a late college student. After the said period of two years she shall have to join the college as a regular student.

**4.** A deficiency in the required number of lectures may be condoned as under :-

- (i) If the deficiency is up to : By the Principal of the College  
15 in theory and 8 in practicals
- (ii) If the deficiency is up to : By the Vice-Chancellor.  
25 in theory and 16 in practicals

**5.** The amount of examination fee to be paid by a candidate shall be as prescribed by the Syndicate from time to time.

**6.** The medium of examination shall be English.

**7.** Every candidate shall be examined in the subjects and the syllabus prescribed by the Senate.

**8.** The minimum number of marks required to pass the examination shall be :-

- (i) 40% in each written paper and practicals separately;
- (ii) 50% in class assessment of each subject separately, in theory and practical;
- (iii) 45% in the aggregate.

**9.** The College shall be submit to be University on the prescribed proforma, class assessment of the examination.

**10.1.** The Controller of Examinations shall publish the result four week after, the termination of the examination or as soon as possible.

**10.2.** Successful candidates shall be classified as under :-

- (a) Those who obtain 60 per cent or more of the aggregate marks; .. First Division
- (b) Those who obtain 50 per cent or more but below 60 percent of the aggregate marks; .. Second Division
- (c) Those who obtain less than 50 per cent of the aggregate marks. .. Third Division

**10.3.** Each successful candidate shall be granted a Diploma stating the division in which she has passed together with the marks obtained by her and the aggregate marks.

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## **POST-GRADUATE DIPLOMA COURSE IN PRE-SCHOOL EDUCATION**

*(To take effect from the admissions of 1984)*

1. The duration of the course for the Post-Graduate Diploma in Pre-School Education shall be one academic year.
2. A candidate who has passed one of the following examinations shall be eligible to join the course :
  - (i) B.Sc. Home Science from Panjab University with atleast 50% of the aggregate marks;
  - (ii) B.A./B.Sc. from the Panjab University with the subjects Sociology, Psychology, Home Science or Home Science Group with atleast 50% of the aggregate marks;
  - (iii) Any other examination recognised by the Panjab University, as equivalent to (i) or (ii).
3. The examination shall be open to a student who possesses the qualifications laid down in Regulation 2, has been on the rolls of the college and produces the following certificates duly signed by the Principal :
  - (i) of good character;
  - (ii) of having been on the rolls of the college for the academic year preceding the examination;
  - (iii) of having attended not less than 66% of the lectures delivered and practicals held in the subjects in which he is to be examined;
  - (iv) of having completed the internal assessment in each subject, as prescribed in the syllabus.
4. The examination shall be held once a year ordinarily in the month of May on such dates as may be fixed by the Syndicate.
5. The date of commencement of the examination and the last date for receipt of examination admission forms without and with late fee shall be notified by the Controller of Examinations. The examination fee to be paid by a candidate shall be as prescribed by the Syndicate from time to time.
6. A student who having attended the prescribed number of lectures, does not appear in the examination or having appeared in the examination has failed in the examination but has obtained pass marks in the internal assessment, shall have the option to have his internal assessment marks carried forward for two subsequent years without attending the course afresh and shall be allowed to take the examination during this period as a late college student. After two years, he shall have to join the college as a regular student.
7. Deficiency in the prescribed number of lectures may be condoned as under :
  - (i) If the deficiency is upto 15 in .. By the Principal of the college.  
theory and 8 in practicals.
  - (ii) If the deficiency is upto 25 in .. By the Vice-Chancellor.  
theory and 16 in practicals.
8. The examination shall be held in accordance with the syllabus prescribed by the Senate, and the medium of examination shall be English.

- 9.** The minimum number of marks required to pass the examination shall be :-
- (a) 40 per cent in each written paper and practical separately;
  - (b) 50 per cent in internal assessment of each subject separately in theory and practicals;
  - (c) 45 per cent in the aggregate.

**10.** The college shall submit to the University on the prescribed proforma, internal assessment marks at least 10 days before the commencement of the examination.

**11.** Four weeks after the termination of the examination or as soon as feasible, the Controller of Examinations shall publish the result.

**12.** Successful candidates shall be classified as under :

- (a) Those who obtain 60 per cent or more of the aggregate marks .. First Division
- (b) Those who obtain 50 per cent or more but less than 60 per cent of the aggregate marks. .. Second Division
- (c) Those who obtain less than 50 per cent of the aggregate marks. .. Third Division

**13.** Each successful candidate shall be granted a Diploma stating the division in which he has passed. Marks obtained in each subject shall also be supplied to each candidate.

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### **POST-GRADUATE DIPLOMA COURSE IN HOUSE-KEEPING & RECEPTION**

1. The duration of the course for the Post-Graduate Diploma in House-Keeping & Reception shall be one academic year.
2. A candidate who has passed one of the following examinations shall be eligible to join the course :-
  - (i) B.Sc. Home Science from Panjab University with atleast 50% of the aggregate marks;
  - (ii) B.A./B.Sc. from the Panjab University with the subject Home Science or Home Science Group, with atleast 50% of the aggregate marks;
  - (iii) Any other examination recognised by the Panjab University as equivalent to (i) & (ii).
3. The examination shall be open to a student who possesses the qualification laid down in Regulation 2, has been on the rolls of the college and produces the following certificates duly signed by the Principal :-
  - (i) of good character;
  - (ii) of having been on the rolls of the college for the academic year preceding the examination;
  - (iii) of having attended not less than 66% of the lectures delivered and practicals held in the subjects in which he is to be examined;
  - (iv) of having completed the internal assessment in each subject, as prescribed in the syllabus.
4. The examination shall be held once a year ordinarily in the month of May on such dates as may be fixed by the Syndicate.
5. The date of commencement of the examination and the last date for receipt of examination admission forms without and with late fee shall be notified by the Controller of Examinations. The examination fee to be paid by a candidate shall be as prescribed by the Syndicate from time to time.
6. A student who having attended the prescribed number of lectures, does not appear in the examination or having appeared in the examination has failed in the examination but has obtained pass marks in the internal assessment, shall have the option to have his internal assessment marks carried forward for two subsequent years without attending the course afresh and shall be allowed to take the examination during this period as a late college student. After two years he shall have to join the college as a regular student.
7. Deficiency in the prescribed number of lectures may be condoned as under :
  - (i) If the deficiency is upto 15 in .. theory and 8 in practicals. By the Principal of the college.
  - (ii) If the deficiency is upto 25 in .. theory and 16 in practicals. By the Vice-Chancellor.
8. The examination shall be held in accordance with the syllabus prescribed by the Senate and the medium of examination shall be English.
9. The minimum number of marks required to pass the examination shall be :
  - (a) 40 per cent in each written paper and practicals separately;

- (b) 50 per cent in internal assessment of each subject separately in theory and practicals;
- (c) 45 per cent in the aggregate.

**10.** The college shall submit to the University on the prescribed proforma, internal assessment marks at least 10 days before the commencement of the examination.

**11.** Four weeks after the termination of the examination or as soon as feasible, the Controller of Examinations shall publish the result.

**12.** Successful candidates shall be classified as under :

- (a) Those who obtain 60 per cent or more of the aggregate marks .. First Division
- (b) Those who obtain 50 per cent or more but less than 60 percent of the aggregate marks. .. Second Division
- (c) Those who obtain less than 50 per cent of the aggregate marks. .. Third Division

**13.** Each successful candidate shall be granted a Diploma stating the division in which he has passed. Marks obtained in each subject shall also be supplied to each candidate.

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## M.SC. (HONOURS SCHOOL) (ANNUAL SYSTEM)

**1.1.** The University shall undertake instruction for M.Sc. (Honours School) courses in the following subjects :

- (i) Anthropology
- \*(ii) Botany
- (iii) Chemistry
- (iv) Geology
- (v) Mathematics
- (vi) Physics
- \*(vii) Zoology
- (viii) Biochemistry
- (ix) Biophysics
- (x) Microbiology

The Syndicate shall, however, have authority to add or discontinue Honours School in any subject.

**1.2.** The duration of the course shall be two years.

The final examination for the M.Sc. (Honours School) will be held in two parts, Part-I at the end of the first year and Part-II at the end of second year-once a year ordinarily in the month of April or on such dates as may be fixed by the Syndicate.

**2.1.** A person who has passed one of the following examinations in the concerned subject may be admitted to the M.Sc. (Honours School) course :

- (i) B.Sc. (Honours School) examination of the Panjab University in the subject of M.Sc. (Honours School) course.
- (ii) B.Sc. (Pass or Honours School) examination of the Panjab University or any other examination recognized by the Panjab University as equivalent thereto with the subject of the Honours School course.
- (iii) B.A. or B.Sc. examination of the Panjab University or any other examination recognized by the Panjab University as equivalent thereto, for admission to M.Sc. (Honours School) in Anthropology.
- (iv) B.Sc. (Pass or Honours) examination of Panjab University or any other examination recognized as equivalent thereto with Chemistry, Physics and Mathematics as elective subjects at B.Sc. level, for admission to M.Sc. (Honours School) in Chemistry and Physics and Mathematics as elective subjects for admission to M.Sc. (Honours School) in Physics.

Provided that admission of the eligible students in (ii), (iii) and (iv) above will be based on their merit in the Entrance Test conducted for this purpose/the fulfillments of such other requirements as may be laid down by the Syndicate.

**Note :** A student who has not cleared all courses of B.Sc. (Honours School) will not be admitted to M.Sc. (Honours School) First Year.

**2.2.** A student who has passed M.Sc. (Honours School) Part I in the subject concerned shall be eligible to join Part II (second year) class of that course.

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\*Semester system has been introduced w.e.f. 2001-2002.

**3.1.** The Board of Control appointed for the B.Sc. (Honours School) shall act as the Board of Control for M.Sc. (Honours School) also.

**3.2.** Subject to the approval of the Dean of University Instruction, the Board of Control shall be the authority to admit students and it shall also have the authority to remove students from the rolls in accordance with the rules laid down by the Academic Council.

**3.3.** Subject to the approval of the Dean of University Instruction, the Board of Control shall be the authority to remove a student from the Honours School in case of misconduct.

**3.4.** The Board of Control may make recommendations to the Syndicate in all matters concerning the Honours School course including the syllabi and the appointment of examiners. However, recommendations concerning syllabi shall be routed through the Faculty and the Academic Council.

**4.** The syllabi and courses of reading for the M.Sc. (Honours School) courses shall be as approved by the Senate from time to time.

**5.1.** The examination in Part-I/II shall be open to a student who has passed one academic year previously the examination as laid down in Regulation 2 and whose name is sent to the Controller of Examinations by the Head of the University Department that he has most recently attended and who produces the following certificates signed by the Head of the Department concerned :

- (a) of having been on the rolls of the University Department for the academic year preceding the examination;
- (b) of having good character; and
- (c) of having attended not less than (a) 75 per cent of full course of lectures delivered to his class in each of the prescribed papers, and (b) 75 per cent of the practical classes held and (c) in the case of Project Report, dissertation or both of having completed it satisfactorily and as directed by the Head of the Department.

**5.2.** The Board of Control is empowered to condone shortage of attendance to the extent of 10 per cent of the lectures delivered/practicals in each course of theory and practicals.

**5.3.** The candidate must submit his Project Report/dissertation at least 10 days before commencement of Part-II final examination. No extension would be permitted.

**6.** The M.Sc. (Honours School) examination shall be by theory papers, practicals, field or project report (if any) as determined by the Board of Control in each subject. The number of papers, theory and practicals, as well as distribution of marks amongst theory and practicals the field work or project, if any, shall be given in the syllabi.

The total number of marks/credits shall be as follow :

M.Sc. (Honours School) Part-I 1000	40 credits
M.Sc. (Honours School) Part-II 1000	40 credits

**7.1.** Examination in both theory and practical would be fully internal, periodic/continuous and open.

**7.2.** The evaluated answer scripts would be shown to the students, according to a schedule announced by the concerned department, within 10 days of the completion of examination. Answers

would be discussed and the rationale of assessment explained to the students. After discussing the answers with the students, the teacher would finally submit the award list to the PGAPMEC (See 10.1) Convener. Answer scripts would be retained by the concerned teacher for one year after the declaration of the result. There would be no provision for re-evaluation.

**7.3.** The teacher for a particular course would ordinarily be the paper setter, invigilator and script-evaluator. In case more than one teacher teaches the course, one of the teachers would be designated as Instructor-in-Charge. He would set the question paper in consultation with other teachers of the course as well as jointly invigilate and evaluate the answer scripts. The Board of Control would send the list of examiners to the Controller of Examinations by the end of October.

**7.4.** For each course, two question papers would be set before the Final Examination, one for the Final Examination and the other for the Supplementary Examination.

**7.5.** 20% of the total marks for theory course would be assigned to the two best out of three mid-term tests. Each test would have 10% of the total marks for the course. Mid-term tests may be held in September/October, December and February/March, preferably without any break and without disrupting the teaching schedule.

**7.6.** In a laboratory course, 20% of the total marks would be assigned for continuous assessment in the laboratory, depending on the skill of the student in doing the experiments; viva-voce on the experiments; and written report on the experiments. The final practical examination may be held before the final examination. It would carry the remaining 80% of the marks. Before the practical examination, marks secured by the students in the continuous assessment (out of 20%) would be displayed on the Departmental Notice Board. Each practical examination would have two examiners.

**7.7.** The entire academic calendar for the year including the beginning of instruction, ending of instruction, date sheet of the mid-term test etc. would be worked out by each department at the beginning of the session and notified to the teachers and students.

**7.8.** The record of marks for the mid-term test and continuous assessment would be sent to the Controller of Examinations at least 15 days before the commencement of the final examination.

**7.9.** The provisional result would be displayed within 15 days of the last paper, on the Departmental Notice Board. Within two days after the final result would be sent by the Department to the Controller of Examinations. The University would declare the result within the next 15 days.

**8.1.** A student who has not earned a minimum of 24 credits at the Annual Examination would be declared fail. A student who appears in Annual Examination of M.Sc. (Honours School) Part-I but earns a minimum of 24 credits will be given a reappear chance in those papers in which he fails ordinarily in the month of July. There would be no reappear examination for mid-term tests. The Supplementary Examination would be only for 80% of the total marks in a course. If a student does not pass all his courses at the Supplementary Examination, he would be declared fail.

A failed student may seek readmission or may appear in the next Final Examination as late college student.

**8.2.** A student failing to earn 24 credits in the M.Sc. (Honours School) course Part-I in the annual examination will be declared fail and may seek readmission in the same class.

**8.3.** Notwithstanding the above conditions, no student shall be allowed to spend more than a maximum of three years period in the M.Sc. (Honours School) course. He must clear all the reappears and earn the stipulated number of credits for the award of M.Sc. (Honours School) degree i.e. 80 credits. A student failing to do so, will be declared fail and will be required to leave the M.Sc. (Honours School) course.

**8.4.** The students are required to pass the theory and practical papers separately and students should secure pass marks in each of these papers separately.

**8.5.** The students who absent themselves from the final examinations or are declared fail or want to improve their results shall be allowed to appear in the next annual examinations only along with regular students.

**9.** The Boards of Control in respective Departments may, subject to the approval of the appropriate bodies, decide the nature and style of questions in the Question Papers– whether objective/short answer type/problem based/subjective/essay type or any combination thereof.

**10.1.** The Board of Control would appoint Postgraduate Academic Programme Monitoring and Execution Committee (PGAPMEC) for monitoring and execution of the academic programmes. The composition and functions of the PGAPMEC would be as under :

- (i) PGAPMEC would consist of 5-7 faculty members. It will have a Convener and a Secretary both to be appointed by the Board of Control. The PGAPMEC would work in close collaboration with the Department and the Chairperson.
- (ii) The term of PGAPMEC would be two years. After the initial period of two years, 3-4 members including the Convener would retire. A new Convener and Secretary would be appointed for two years by the Board of Control. After another year, the 2 remaining older members will retire making way for 2 new members, so that both replenishment and continuity are maintained. Each member would serve a two year term.
- (iii) The PGAPMEC could look after every aspect of the academic programme in order to ensure the smooth functioning and integrity of all aspects of the programme. It would meet preferably once a month.
- (iv) The duties of PGAPMEC could include framing of academic calendar for the year, keeping track of attendance, schedule of mid-term test and annual examination, assignment of projects supervisors to the students, tabulation of marks after careful scrutiny, computerized storage of data, regular monitoring to ensure that the University rules and regulations are followed properly and any other duty assigned by the Chairperson/Board of Control.
- (v) The mode of evaluation for the project reports would be decided by PGAPMEC and Board of Control.
- (vi) All decisions taken by PGAPMEC could be subject to approval by Board of Control.
- (vii) UGAPMEC shall make recommendations regarding complaints and settle disputes, if any, against paper-setting and evaluation.

**11.** The mode of assessment of the project report/dissertation submitted by the student, viva-voce on the project report and/or any other mode of assessment e.g. poster presentation, shall be as decided by the Board of Control.

**12.** A candidate who has passed the M.Sc. (Honours School) examination from the Panjab University under the annual system may reappear as a private candidate in a course/s he/she wishes to, with a view to improve his/her performance. For this purpose, he/she may be given two chances within a period of 5 years from the date of his/her passing the said degree course. The candidate in the first instance shall be required to intimate all the courses in which he/she would like to improve his/her performance. He/she will then appear in the respective course/s at the main annual examination only i.e. for the course/s offered for first year and second year in April/May examination. If he/she does not improve his/her performance, in any course/s, he/she shall be eligible to do so in the following years only in the April/May annual examination concerned which would be treated as his/her second chance. The candidate shall be charged examination fee as fixed by the Syndicate from time to time.

**13.** The successful candidates shall be classified in divisions as under :

- |       |  |   |                                 |
|-------|--|---|---------------------------------|
| (i)   | Those who obtain 75 per cent or more of the total marks.                           | : | First Division with distinction |
| (ii)  | Those who obtain 60 per cent or more but less than 75 per cent of the total marks. | : | Second Division                 |
| (iii) | Those who obtain 40 per cent or more but less than 50 per cent of the total marks. | : | Third Division                  |

**14.** The candidates shall be provided with the detailed marks cards of each year. In the detailed marks cards, asterisk (\*) would be put against each course not passed in the first annual examination. The degree shall indicate the division in which the candidate has passed the examination. The date of entry and leaving the Honours School shall also be shown on the certificate.

**15.** Notwithstanding anything contained in the above regulation, the COSIST/C.A.S. Departments, namely Chemistry, Geology, Mathematics and Physics, in view of the autonomy already granted to them in the matter, may adopt their own assessment systems duly approved by the appropriate bodies of the University.

#### **TRANSITORY REGULATION**

“A candidate who has passed the M.Sc. (Honours School) (Semester System) examination from the Panjab University under the semester system may re-appear as a private candidate in a course/s, he/she wishes to, with a view to improving his/her performance. For this purpose, he/she may be given two chances within a period of 5 years from the date of his/her passing the degree course. The candidate in the first instance shall be required to intimate all courses in which he/she would like to improve his/her performance. He/she will then appear in the respective course/s at the main semester examination, i.e. for the course(s) offered for First and Third semester in the November/December and for the Second and Fourth semesters in April/May examination. If he/she does not improve his performance in any course/s, he shall be eligible to do so the following year in the semester examination concerned which would be treated as a second chance. The candidate shall be charged fee as prescribed by the Syndicate from time to time for each course subject to the maximum admission fee prescribed for the semester concerned.

#### **EXPLANATORY NOTE:**

Improvement of performance by a candidate shall not affect the *inter-se* merit position determined on the basis of original examination.”

**MASTER OF SCIENCE (HUMAN GENOMICS) (SEMESTER SYSTEM)  
(EFFECTIVE FROM THE ADMISSIONS OF 2002)**

**1.1.** The duration of the course of instruction of the examination for the degree of M.Sc. (Human Genomics) shall be two years comprising four semesters.

The duration of the 1<sup>st</sup> semester and 3<sup>rd</sup> semester shall be from July to December and that of 2<sup>nd</sup> and 4<sup>th</sup> semesters from January to May. The instructional period for each Semester will extend over a period of at least 16 weeks. This will be followed by an end Semester examination which shall be held after at least 40 lectures in each.

**1.2.** A candidate who has passed one of the following examinations shall be eligible to join the First Semester of M.Sc. (Human Genomics) course :

Bachelor's Degree under the 10+2+3 pattern of education in Physical, Chemical, Biological and Pharmaceutical Sciences or in Medicine of Panjab University or from any University/Institute recognized by the Panjab University, with at least 55% marks.

**1.3.** The mode of admission shall be as prescribed by the Syndicate from time to time.

**2.** The amount of admission fee for each Semester and fee structure of the course to be paid by a candidate shall be fixed by the Syndicate from time to time.

**3.** The medium of examination shall be English.

**4.1.** For every theory paper/course 4 lectures (including tutorials) each of one hour duration per week shall be delivered. The tutorials shall involve active participation by the students in the work of problem solving discussion of test questions and assignment concerned with the lectures, etc.

**4.2.** Each course shall be a distinct entity and a student shall be required to pass in each course/paper for the final award of degree.

**4.3.** The teacher for a course shall be responsible for maintaining the desired standard of the course and for evaluating students' performance. In case of more than one teacher for a course, one teacher shall be designated as teacher in charge who shall coordinate the instructions and evaluation in the course.

**4.4.** The Laboratory course shall have a team of teachers/instructors with a teacher incharge.

**5.** The syllabi and courses of reading in M.Sc. (Human Genomics) shall be as approved by the competent authority.

**6 (i)** The total number of marks/credits for each semester, the number of theory papers and practicals, the marks/credits allotted for each paper, the syllabi and courses of studies



shall be recommended by the Advisory Committee/Board of Control from time to time and approved by the competent authority.

- (ii) The assessment shall be wholly internal for all theory papers. For a laboratory course there will be two examiners out of which at least one will be internal.
- (iii) In a theory paper 25% of the total marks shall be for in Semester assessment and 75% for end-semester examination.
- (iv) In a theory paper, the answer-books of the in-semester test will be returned to the students after taking their due signatures and for end-semester examination the answer-books will be available to students for perusal according to the schedule which shall be announced by the Coordinator of the Centre/teacher.
- (v) A departmental monitoring Committee consisting of Chairperson (Coordinator) and two teachers will review any dispute in the grades/marks of end-semester examination. The decision of the Committee will be final. There will be no re-evaluation of the answer-books.
- (vi) In laboratory course, 50% marks will be meant for in semester assessment which will depend on the following :
  - (a) The skill of the student in doing the experiments;
  - (b) Viva-voce on the experiments;
  - (c) Written report on the experiments; and
  - (d) Seminar delivered by the students.

A candidate who does not fulfil the attendance requirement in any course/paper/practical will have to repeat the course of instructions in that course/paper when it is offered next.

- (vii) The practical examination shall be conducted at the end of each semester. It shall carry the remaining 50% of marks for the laboratory course. The course coordinator(s)/teacher shall act as internal examiner for the practical examination.
- (viii) The internal assessment both theory and practicals shall be sent to the Controller of Examinations before the commencement of the end-semester examination by the Centre.

**7.** Every candidate for the M.Sc. (Human Genomics) examination shall complete the following requirements and intimate through the Chairman/Head of the Department accompanied by the following certificates :

- (i) of having good moral character;
- (ii) of having been on the rolls of the Centre for (Human Genomics) for the semester preceding the examination;
- (iii) of having attended at least 75% of the total number of lectures and practicals separately in each course. A course means a paper in theory or practical;
- (iv) in case of dissertation, a certificate from the Supervisor endorsed by the Chairman/ Head of the Department that the candidate has worked to his satisfaction.  
The Advisory Committee/Board of Control is empowered to condone shortage in the attendance of lectures and practicals to the extent of 10% in each course of theory or practical.

**8.** The students are required to obtain at least 40% marks in each course of theory/ laboratory and an overall aggregate of at least 50% of all the courses (Theory and Practical) of each semester to pass in the examination.

The successful candidates of all the four semesters examination shall be classified in divisions as under :

- (a) Those who obtain 75% or more provided the student has passed all the end-semester examination in the first attempt. : First division with distinction
- (b) Those who obtain 60% or more of the aggregate marks. : First Division
- (c) Those who obtain 50% or more but less than 60% of the aggregate marks. : Second Division and Pass

Four weeks after the completion of end semester examination or as soon as possible, the Controller of Examinations shall publish a list of successful candidates.

**9.1.** If a student fails to get pass marks in theory/practical course or has missed the end-semester examination in any semester, he/she shall be given a reappear in the course. All re-appear examinations shall be held immediately after the declaration of each semester results of the regular classes.

**9.2.** If a student fails in the end-semester or re-appear examination in more than 50% of the total credits in a semester, he/she shall not be promoted to the next semester and will have to seek re-admission to the same semester.

**9.3.** The facility of re-admission to M.Sc. (Human Genomics) programme can not be extended beyond a period of one year i.e. the time limit for completing the M.Sc. (Human Genomics) programme is three years from his/her first admission to the programme. If the student is unable to pass all the courses in three years, he/she has to leave M.Sc. programme and will not be readmitted to the same programme.

**10.** The Advisory Committee/Board of Control would take appropriate steps for the proper implementation of all the aspects of the M.Sc. (Human Genomics) programme including the time schedule of instructions and assessment, conduct of examination, seminars, projects and declaration of results etc.

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**MASTER OF SCIENCE (ENVIRONMENT)  
(EFFECTIVE FROM THE ADMISSIONS OF 2002)**

1. (i) The course comprises 4 semesters (2 years). The first and the third semester shall be from July to December and the second from January to June respectively or as decided by the Vice-Chancellor. The instructional period for each semester will extend over a period of at least 16 weeks followed by preparatory holidays for not more than one week prior to the semester examinations.
  - (ii) The final examination shall be conducted at the end of each semester in the courses offered in that semester only.
  - (iii) A student who does not appear for any reason or fails in paper/papers in any semesters shall be eligible to take the examination(s) along with the respective examination(s) of the regular students of the next year batch. In no case, the University will hold special examination for such failed students.
2. To be eligible to take the examination, a candidate has to attend prescribed minimum number of lectures in the respective paper/course as per the rules of the University.
3. To qualify for the award of the Post-graduate (Master's) degree of the Faculty of Science in environment Science i.e. M.Sc. (Environment), a candidate has to successfully complete the course work and obtain at least 50% marks in aggregate and 40% marks in each course (theory and practicals) separately.
4. A credit of the course will normally involve 4 hours of the instruction including tutorials/seminars. The credits to be awarded for the project report/dissertation etc. may be decided by the Board of Control/Academic Council.
5. The normal work load of a student in a semester will be 20 credits in each paper and each semester comprising 4 papers.
6. The outlines of the tests, syllabi and courses of reading will be announced in advance.
7. To qualify for the grant of credits for a particular course, a candidate must get at least the pass marks. If the candidate fails in a course or does not take the examination, she/he will not get the credit for it. She/he may repeat the course as a regular student in which she/he failed or did not appear when ever offered next or may appear in the examination as a private student without attending the classes again provided she/he satisfies the attendance clause.
8. The evaluation of each course will be on the basis of the University examination at the end of each semester. The University examination will be held according to the outlines of the test, syllabi and courses of reading as approved by the competent body from time to time.
9. The University will maintain a separate official transcript of each candidate mentioning the course taken, credit value of each course and the marks obtained.
10. The graduates from Science/engineering stream or any other stream with Honours in Geography as one of the subjects from Panjab University or any other University recognized as equivalent by the Panjab University shall be eligible for the admission to the course.
11. The examination for each semester shall be open to a candidate who fulfils the requirements of qualification as laid down in regulations 11.1 and 11.2 of Panjab University Calendar and produces the following certificates from the Chairperson/Convener of the Board of Control/Academic Council :
- (a) That she/he has been on the rolls of the Department/Centre for the semester preceding the examination;

- (b) That she/he has attended the prescribed number of lectures as per the University rules.

**12.** The condonation of deficiency in lectures, if any, can be considered only as per the rules of the University existing at that time.

**13.** A student who does not fulfil the attendance requirement for any reason for any paper will have to repeat the instruction in that paper whenever offered next.

**14.** The student shall submit her/his examination form for each semester examination through the Chairman, Board of Control/Convener, Academic Council to the Controller of Examinations six weeks before the examination without late fee of four weeks before the examination with the late fee as prescribed by the University from time to time.

**15.** The amount of examination fee shall have to be paid by the student at the rates prescribed by the University from time to time for taking the examination for the first time or repeated number of times.

**16.** The medium of instruction and the examination shall be English.

**17.** The successful candidates shall be classified into three categories : (a) Distinction above 75% marks (b) First Division : between 60% and 75% and (c) Second Division : Between 50% and 60% marks obtained in aggregate.

**18.** To maintain the transparency in the system of evaluation, the candidates could be shown their respective answer scripts and signatures obtained.

**19.** For each paper (except the Seminar/term paper/project) in each semester, a student shall be offered to pre-announce tests of 4% weightage each and six surprise (without prior announcement) tests of 3% weightage each. Of the six surprise tests, four best attempted tests shall be considered towards the final internal/continuous assessment. The internal assessment based on the pre-announced and the surprise test shall comprise 20% of the total maximum marks in each paper. For projects and seminars there will be no internal assessment.

**20.** The marks obtained in the internal assessment shall be shown separately in the final awards list.

**21.** The attendance of the candidate shall also be shown in the final award list given to the students at the end of the semester.

**22.** The examination fee shall have to be paid by the students for the semester at the prescribed rate fixed by the University from time to time.

**23.** The internal examiners will conduct the practical examination while the external examiner shall be the paper setter and the evaluator of the theory papers.

**24.** The admission shall be based on the written tests (weightage 50%) and the academic carrier (weightage 50% with break up as class X : 10%, Class XII : 10% and Graduation : 30%).

**25.** The University shall conduct the written test comprising different disciplines of science apart from scientific awareness.

**26.** The fee for the admission/entrance test will be charged as per the decision of the University from time to time.

**27.** The maximum students' intake shall be as per the decision of the University from time to time.

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**M.SC. (INFORMATION TECHNOLOGY) (TWO-YEAR COURSE)  
(EFFECTIVE FROM THE ADMISSIONS OF 2001)**

**1.1.** There shall be an examination for the degree of M.Sc. (Information Technology). The duration of the course shall be two years.

**1.2.** The examination for this course shall be held in two parts - Part-I at the end of the first year of the course and Part-II at the end of second year of the course once a year ordinarily in the month of April or on a date fixed by the Syndicate.

**1.3.** The last date for receipt of admission form and fee with and without late fee as fixed by the Syndicate from time to time shall be notified to the affiliated Colleges concerned.

**2.1.** A person who has passed one of the following examinations shall be eligible to join Part I (First Year class) of the course :

- (i) B.C.A. examination from the Panjab University;
- (ii) B.E./B.Tech. in Computer Science from the Panjab University;
- (iii) Any other examination of another University recognized by the Syndicate as equivalent to (i) or (ii) above.

**2.2.** The First Year examination for M.Sc. (Information Technology) shall be open to a regular candidate who :

- (a) has been on the rolls of the affiliated college for the academic year preceding the examination;
- (b) bears a good moral character; and
- (c) has attended not less than (i) 75 per cent of the full course of lectures delivered to his class in each of the prescribed papers and (ii) in the case of dissertation or thesis, has completed it as directed by the Principal of the affiliated College concerned.
- (d) has obtained at least 40 per cent marks in the internal assessment of each such subject.

The candidate must submit his project/dissertation/thesis so as to reach the University at least 20 days before the commencement of Part II examination.

**3.** The Principal of the affiliated college concerned shall forward to the Registrar, a list of the students who have satisfied the requirement of the rules and regulations and are qualified to appear in the examination, before the commencement of examination for each year.

**4.** A deficiency in the prescribed number of lectures may be condoned as under :

- (i) Up to 20% lectures in each paper                      ...    By the Principal of the affiliated College.
- (ii) Up to 10 lectures may be condoned                      ...    By the Vice-Chancellor.

**5.** The amount of admission fee to be paid by the candidate for each part of the examinations shall be as prescribed by the Syndicate from time to time.

**6.** The medium of examination shall be English.

**7.1.** Every candidate shall be examined according to the syllabus prescribed by the University from time to time.

**7.2.** In addition, there shall be Internal Assessment in each part of the examination as per the scheme approved by the Board of Control. The Principal of the college shall send to the University internal assessment awards of each candidate 15 days before the commencement of the examination in accordance with rules laid down by the Syndicate.

**8.1.** The minimum number of marks required to pass the examination shall be-

- (a) 40 per cent in each written paper;
- (b) 40 per cent in internal assessment/viva-voce/seminar/project; and
- (c) 50 per cent in the aggregate of (a) and (b) above.

A student who does not obtain 40 per cent marks in internal assessment part of every subject separately of the First or Second Year shall be required to again study the subjects prescribed for that year in the next academic session before being allowed to appear in the University examination, subject to the restriction that a student must complete all course requirements and pass all prescribed examinations within a maximum period of four academic sessions from the original date of joining the course in order to be eligible for the award of the Degree.

**8.2.** The Second Year examination will be open to a regular candidate who-

- (i) has been on the rolls of the affiliated college during two academic sessions preceding the examination;
- (ii) has passed the First Year examination and is eligible to appear in the Second Year examination under Regulation 10;
- (iii) has attended not less than 75 per cent of the full course of lectures delivered to his class in each of the prescribed papers and in the case of dissertation or thesis, has completed it as directed by the Principal of the affiliated College concerned;
- (iv) has obtained at least 40 per cent marks in the internal assessment of each such subject.

The candidate must submit his project/dissertation/thesis so as to reach the University at least 20 days before the commencement of Part II examination.

**9.** Grace marks shall be given at the rate of one per cent of the aggregate marks of all subjects of the First or Second Year examination, as the case may be. A candidate may avail of the grace marks either in the aggregate or in one or more papers as may be his/her advantage. Grace marks shall, however, be given only for passing the examination or for earning a higher division and not for improving internal assessment or for passing the examination with distinction.

**10.** The student must complete all course requirements and pass all prescribed examinations in maximum four academic sessions from the date of joining the course in order to be eligible for award of the Degree. Subject to the above, a student may be allowed to re-appear in one or more subjects as specified below :

A candidate who having obtained the pre-requisite marks in the internal assessment part of every subject appeared in the First Year examination but fails to pass the examination under Regulation 8.1(c) may be allowed to study in the Second Year of the Course and to re-appear in all or some of the subjects of the First Year examination along with the subjects of the Second Year examination. The subjects in which the candidate shall be eligible to re-appear shall be only those in which he/she has obtained less than 50 per cent marks in the total of the internal assessment part and the university examination part (internal assessment marks shall not be reassessed, but shall be carried over). If he/she still fails to clear the First Year examination, the candidate shall not be allowed to study for the Second Year of the Course, and his result of the First Year Examination shall be withheld, till all the subjects prescribed for the first year examination have been cleared by him/her.

**11.** Four weeks after the termination of the examination or as soon as possible the Controller of Examinations shall publish a list of successful candidates. Each successful candidate of Part I examination shall receive a certificate.

**12.** The successful candidates of Part II examination shall be classified into three Divisions as under :

- (a) Those who obtain 75% or more of the aggregate marks : First Division  
with Distinction
- (b) Those who obtain 60% or more of the aggregate marks : First Division
- (c) Those who obtain 50% or more but less than 60% of the aggregate marks : Second Division

**13.** A successful candidate may publish original results of his dissertation/thesis, if permitted by the Principal of affiliated College as papers in journals of repute.

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## **MASTER OF SCIENCE**

*(2 Years Semester System)*

### **(Bio-technology)**

*[Effective from the admissions of 1991-92 (First Year)1992-93 (Second Year)]*

**1.** Duration of the course for the M.Sc. in Bio-technology, shall be of two academic years (four semesters).

**2.** A person with the following qualifications from the Panjab University or any other University/Institution recognised by the Panjab University shall be eligible to join the course.

Bachelor's degree (under 10+2+3 patterns of education) in physical, biological, pharmaceutical, agricultural, veterinary or fishery science or Bachelor degree in engineering, technology, medicine (MBBS) from any University/Institute recognised by the Panjab University. The candidate must have obtain 55% marks at the Bachelor's degree level.

**3.** The admission to the course shall be on the basis of an entrance test and/ or other procedures laid down by the Syndicate from time to time.

**4.** The examination shall be held in accordance with the syllabi approved from time to time.

**5.** A person who possesses the qualifications laid down in Regulation 2 above and produces following certificates signed by the Chairman/Co-ordinator of the Centre, shall be eligible to appear in the final examination :

- (a) of good character;
- (b) of having been on the rolls of the centre during the academic year preceding the examination;
- (c) of having attended not less than 66% of lectures delivered to the class in each paper and practicals held separately.

**6.** The open and continuous system of evaluation of courses will be followed. The schedule of teaching and examinations will be approved by the Syndicate before commencement of the session. The awards and answer-books for each examination, after showing to the students, will immediately be submitted to the Controller of examinations by the Co-ordinator of the Centre.

**7.** There shall be a Board of Control in Biotechnology constituted by the Syndicate for the purpose of coordinating the activities of the Centre for Biotechnology. The Chairman of the Board of Control and the Co-ordinator of the Centre will be appointed by the Vice-Chancellor, the Co-ordinator of the Centre will act as Convener of the Board of Control.

**8.** A deficiency in the required number of lectures upto 5% in paper may be condoned by the Board of Control.

**9.** The examination fee will be charged in the beginning of each semester alongwith other dues.

**10.** The medium of instruction and examinations shall be English.

**11.** The minimum number of marks to pass the examination shall be 50 in each written paper, practical and viva voce and sessionals based on the assessment of regular lab/class work, research performance etc., separately.



12. There shall be no grace marks.

13. The result of the candidate shall be either pass or fail only. However, in exceptional cases e.g. on medical grounds, the Board of Control may allow re-examination in not more than one paper in each semester. This examination will be allowed at the time of the next regular examination. No special examination will be held.

14. The successful candidates shall be classified as under :

- |     |   |    |                                 |
|-----|---|----|---------------------------------|
| (a) | Those who obtain 75% or more of the aggregate marks                           | .. | First Division with Distinction |
| (b) | Those who obtain 60% or more but less than 75 percent of the aggregate marks. | .. | First Division                  |
| (c) | Those who obtain 50% or more but less than 60% of the aggregate marks.        | .. | Second Division                 |

15. The result of the examination shall be published by the Controller of Examinations by compiling all the awards received during the tenure of the course.

16. Every successful candidate shall be granted a degree indicating the awards in Theory and Practicals, separately and the Distinction/Division in which he has passed.

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## MASTER OF SCIENCE (SEMESTER SYSTEM) EXAMINATION (REVISED)

1.1. There shall be an Examination for the degree of Master of Science in the subjects of Anthropology, Botany, Chemistry, Mathematics and Physics and any other subject as decided by the Syndicate from time to time.

1.2. The duration of the course shall be two years. There will be two semesters for each year and four semesters for the whole course.

2. A person who has passed one of the following examinations shall be eligible to join M.Sc. (Semester System) :-

### *Anthropology*

B.A. or B.Sc. examination of the Panjab University or any other examination recognised by the Syndicate as equivalent thereto.

### *Botany*

B.A./B.Sc. pass with Botany having at least 50 per cent marks in the aggregate, of the Panjab University or from any other University reorganized by the Syndicate as equivalent thereto.

### *Physics*

B.Sc. examination of the Panjab University securing at least 50% marks, with Physics, Mathematics and any one of the following subjects :

Biochemistry, Botany, Chemistry, English, Bio-Physics, Geology, Statistics, Zoology, Electronics & Life Sciences, as decided by the Board of Post-graduate Studies.

### *Chemistry*

(a) B.Sc. (Medical/Non-Medical) candidates who have passed the said examination securing 50% marks in the aggregate as also 50% marks in the subject of Chemistry separately. The candidates, who have passed B.Sc. (Medical Group) examination shall be required to study Mathematics in First and Second Semesters, and

Those who have passed B.Sc. (Non-Medical) examination shall be required to study Biology for First and Second Semesters.

(b) B.Sc. Pass Degree under the old B.Sc. Honours School regulations awarded by the Syndicate on the recommendation of the Board of Control in the subject of M.Sc. course.

(c) B.Sc. Examination with 50 per cent marks in aggregate from any other University recognized by the Syndicate as equivalent to (a).

(d) B.Sc. (Honours) examination of Panjab University or of any other University (recognised as equivalent thereto) in the subject of M.Sc. course.

### *Mathematics*

- (i) (a) B.Sc. Honours School in Mathematics of the Panjab University.
- (b) B.A./B.Sc. with Honours in Mathematics of the Panjab University or from any other University recognised by the Syndicate as equivalent thereto.

- (c) B.A./B.Sc. (Pass) with Mathematics having either at least 50 per cent marks in the aggregate or at least 45 per cent in Mathematics of the Panjab University or from any other University recognised by the Syndicate as equivalent thereto.
- (ii) The M.Sc. examination in Mathematics shall be open to a person permitted under the Regulations relating to private candidates, if he is otherwise eligible.

**3.** Every student admitted to the M.Sc. course shall be on the rolls of the University Department or an affiliated college, duly approved by the appropriate body of the University for such teaching in the subject concerned, and pay such fees to the University as the Syndicate may prescribe. The Dean of University Instruction\* may exempt any student from payment of tuition fees on the recommendation of the Chairman/Head of the Department within the prescribed period.

**4.1.** A Board of Control shall be appointed by the Syndicate in January every year and shall consist of :

1. The Chairman/Head of the Department in the subject of the School as Chairman;
2. The University Professors and Readers in the subject of the School;
3. Two University Lecturers on the recommendation of the Chairman/Head of the Department in the subject of the School (by rotation according to seniority).

**4.2.** A Board of Post-Graduate Studies shall be constituted by the Syndicate as per rules from time to time.

**4.3.** Subject to the approval of the Dean of the University Instruction, the Board of Control shall be the authority to admit students and to remove students from the M.Sc. Course in accordance with the rules laid down by the Academic Council.

**4.4.** Subject to the approval of Dean of University Instruction, the Board of Control shall be the authority to remove a student from the Course in case of misconduct.

**4.5.** The Board of Post-Graduate Studies shall make recommendations to the Syndicate concerning the syllabi and the appointment of examiners.

The recommendations regarding syllabi shall be routed through the Faculty and the Academic Council.

**5.** The syllabi and courses of reading for the M.Sc. (Semester system) course shall be as approved by the Senate from time to time.

**6.** The medium of examination shall be English.

**7.** Every candidate for the M.Sc. examination shall send his application through the Chairman/Head of the Department or the Principal of the college, as the case may be, accompanied by the following certificate :

- (a) of having good moral character;
- (b) of having attended atleast 66 per cent of the total number of lectures delivered and practicals conducted separately for each course; and
- (c) of having passed the earlier examination.

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\*In case of students taking information in a College they will be governed by the College rules as in force from time to time.

The Board of Control or the Principal of the college, as the case may be, is empowered to condone shortage in attendance of lectures and practicals to the extent of 10 per cent of the lectures delivered for each course of theory or practicals.

**8.1.** The last dates by which admission forms and fees must reach the Controller of examinations without and with late fee shall be fixed by the Syndicate from time to time.

**8.2.** The amount of the admission fee for each semester examination to be paid by a candidate shall be as prescribed by the Syndicate from time to time.

**9.1.** Examination in the theory papers/practicals shall be held at the end of the each semester according to the scheme of examination approved by the Academic Council.

**9.2.** The scheme of examination shall be as follows :

**First Year of M.Sc.**

<i>1st Semester</i>		<i>2nd Semester</i>	
Marks	No. of Credits	Marks	No. of Credits
500	20	500	20

**Second Year of M.Sc.**

<i>3rd Semester</i>		<i>4th Semester</i>	
Marks	No. of Credits	Marks	No. of Credits
500	20	500	20

**10. (i)** The examination shall be conducted at the end of each semester in only those courses which have been offered in that semester i.e. 1st and 3rd semesters in December and 2nd and 4th semesters in May respectively or as decided by the Vice-Chancellor.

(ii) A student who has failed in course/s of 3rd and/or 4th semester/s shall be eligible to clear the same in an additional examination in June/July and December/January respectively. The dates of the additional examination may be fixed by the Vice-Chancellor, if necessary, outside these months.

**11.** A student shall be permitted to the semester courses successively, subject to the following conditions :

- (i) He is required to obtain 40 per cent marks, in each course of theory and practicals for a pass in that course and to earn the number of credits assigned to that course.
- (ii) He shall be allowed to join the second year M.Sc. course if he has earned a minimum of 20 credits in the first year.
- (iii) A candidate who has not completed the maximum number of credits required to be completed in a year shall be allowed to clear the paper/s (in which he has failed) when the examination for this course is given for the regular students. However, no student can take the reappear examination in more than 50 per cent of the number of papers he is normally required to take. For example, in the Third semester, if the regular load is 20 credits, he can take the re-appear examination for not more than 10 credits of the first semester.

Notwithstanding the above conditions, no student shall be allowed to spend more than a maximum of three years in the M.Sc. classes. He must earn the stipulated number of credits for the award of the degree within this period of three years.

However -

- (a) if a candidate who does not clear all the courses within one year after completing the attendance requirements of the fourth semester and is declared to have failed may be allowed to re-appear as a late college student in a paper/subject for the purposes to clear the backlog. For this purpose he may be given two consecutive chances.
- (b) a candidate who clears 90% of the credits (fraction to be rounded off to the advantage of the candidate) may be given another consecutive chance to clear the backlog.
- (c) if he still fails, he may be given another consecutive chance by the Vice-Chancellor on the recommendation of the Board of Control.

Such a candidate will be required to appear in the backlog papers as per the current syllabus and he may be permitted to attend the classes. The dates of entry and leaving the course shall be shown in the degree.

**12.1.** The question papers will be set by the External and the Internal Examiners. In case there are more than one persons teaching the course, the Board of Post-graduate studies shall decide one of them to be the internal examiner.

**12.2.** The evaluation shall be done by the External and the Internal Examiners. The answer books shall be first evaluated by the External Examiner, who shall send these along with the awards to the Internal Examiner with a copy of the award list to the Controller of Examinations. These shall then be examined by the Internal Examiner. In case of any disagreement between the Internal and the External Examiners, it shall be resolved by the Internal Examiner in consultation with the external examiner. If the difference between the two awards is not resolved and the marks obtained by the candidate in a particular case differ up to 15 per cent of the maximum marks assigned to the paper, the average of the two awards would be assigned to the candidate. In case the difference is more than 15 per cent, it would be referred to a third examiner for evaluation and the average of the two best awards would be assigned to the candidate.

**12.3.** In the case of thesis/project reports approved by Board of Post-graduate Studies, the evaluation shall be governed by the regulations as apply to the M.Sc. (Hons. School).

**12.4.** The re-evaluation of answer-books shall be permissible as per rules laid down by the University from time to time.

**13.** The results will be tabulated and declared by the office of the Controller of Examinations.

**14.** The successful candidates shall be classified into three divisions as under :

- (a) Those who obtain 60 per cent or more of the aggregate marks. .. First Division
- (b) Those who obtain 50 per cent or more but below 60 per cent of the aggregate marks. .. Second Division
- (c) Those who obtain less than 50 per cent of the aggregate marks. .. Third Division

**15.** The candidates shall be provided with the detailed marks cards of each semester. The degree shall indicate the division in which the candidate has passed the examination. The dates of entry and leaving the course shall be shown on the certificate.

**16.** A candidate who has passed the M.Sc. (2-year course) examination from the Panjab University under the semester system may reappear as a private candidate in a course/s he wishes to, with a view to improving his performance. For this purpose, he may be given two chances within a period of 5 years from the date of his passing the degree course. The candidate in the first instance, shall be required to intimate all the courses in which he would like to improve his performance. He will then appear in the respective course/s at the main semester examination i.e. for the courses offered for First and Third semesters in the November/December examination and for the Second and Fourth Semesters in April/May examination.

If he does not improve his performance, in any course/s, he shall be eligible to do so in the following year in the semester examination concerned which would be treated as a second chance. The candidate shall be charged Rs. 25 for each course, subject to the maximum admission fee prescribed for the semester concerned.

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## **DIPLOMA IN CHEMICAL ANALYSIS OF FOODS**

**1.1.** The duration of the Course for the Diploma in Chemical Analysis of Foods shall be one academic year.

**1.2.** The examination shall be held ordinarily once a year in the month of April/May on such dates as may be fixed by the Syndicate.

**1.3.** The date of examination and last date for receipt of admission form with requisite fee as fixed by the Syndicate shall be notified by the Controller of Examinations.

**1.4.** The examination fee to be paid by the candidate shall be as prescribed by the Syndicate from time to time.

**2.** A person who has passed B.Sc. examination with Chemistry in at least second class (50 per cent marks) from the Panjab University or an examination from any other University recognized by the Syndicate as equivalent thereto, shall be eligible to join the Course.

**3.** A person who possesses the qualification laid down in Regulation 2 shall be eligible to appear in the examination provided he produces the following certificates signed by the Head of the Panjab University Chemistry Department :

- (a) of good character;
- (b) of having been on the rolls of the Department of Chemistry during the academic year preceding the examination; and
- (c) of having attended not less than 66 per cent of the lectures delivered to the class in each paper and practical.

**4.1.** The Board of Control in the Department shall have the authority to fix number of students to be admitted to the Course.

**4.2.** Subject to the approval of the Dean of University Instruction, the Board of Control in the Chemistry plus 2-3 teachers of the Course if they are not already members of the Board, shall be the authority to admit students and it shall have the authority to remove students from the Course or class in accordance with the rules laid down by the Academic Council.

**4.3.** Each student shall be under the control and discipline of the Board of Control as specified in Regulation 4.2. The Board of Control in consultation with the Dean of Student Welfare shall in case of misconduct have power to remove a student from the Course.

**4.4.** Subject to the approval of the Dean of University Instruction, the Board of Control shall have the authority to take decision on any matter not covered in these regulations.

**5.** A deficiency in the required number of lectures may be condoned–

- (i) up to 15 lectures by the Head of the Department; and
- (ii) up to 25 lectures by the Dean of University Instruction, on the recommendation of the Head of the Department.

**6.** The examination shall be held in accordance with the syllabus prescribed from time to time.

**7.** The internal assessment will be based on the house test results conducted periodically and the record of day to day performance in the practical classes.

8. The medium of examination will be English.
  9. A candidate who has attended the prescribed number of lectures, but does not appear in the examination or having appeared has failed may be permitted by the Board of Control to appear at the examination as a private candidate within a period of three years of completing the Course. A candidate who has failed once shall not be permitted to re-join the Course.
  10. The minimum number of marks required to pass the examination shall be—
    - (a) 35 per cent in each paper separately in theory and practicals; and
    - (b) 40 per cent in the aggregate.
  11. The Board of Control together with the Internal Examiners shall finalise the result of the candidates and classify the successful candidates into the following divisions :
    - (a) Those who obtain 60 per cent or more of the total marks. .. First Division
    - (b) Those who obtain 50 per cent or more but below 60 per cent of the total marks. .. Second Division
    - (c) Those who obtain less than 50 per cent of the total marks. .. Third Division
  12. The Controller of Examinations shall publish the result of the examination four weeks after the termination of examination or as soon as possible.
  13. Each successful candidate shall be granted a Diploma showing the division in which he has passed together with the marks obtained by him and the aggregate marks.
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## **CERTIFICATE IN STATISTICS (C.St.) EXAMINATION**

**1.1.** The examination for Certificate in Statistics may be held once a year ordinarily in the month of April on such dates as may be fixed by the Syndicate.

**1.2.** The date of commencement of the examination and the last date for receipt of admission form and fee (a) without late fee, and (b) with late fee as fixed by the Syndicate from time to time, shall be notified by the Controller of Examinations to the Head of the Mathematics Department and the affiliated colleges.

**2.** The examination shall be open to any person who–

- (a) is a graduate of this University or possesses an equivalent qualification recognized by the University;
- (b) has passed the degree examination with Mathematics as one of his subjects or passes a preliminary qualifying test in Mathematics;
- (c) has been on the rolls either of the University Department of Mathematics or of a college affiliated to the University for the purpose, throughout the academic year preceding the examination; and
- (d) produces the following certificates signed by the Head of the University Department of Mathematics or by the Principal of the college concerned, as the case may be :
  - (i) of good character;
  - (ii) of having attended not less than 66 per cent of the lectures in each paper delivered to the class.

A deficiency in the required number of lectures as laid down in Regulation 2 may be condoned as under :

- (a) up to 15 lectures .. by the Head of the Department in the case of students of the University Department of Mathematics and by the Principals in the case of students of affiliated colleges.
- (b) up to 25 lectures .. by the Dean of University Instruction in the case of students of the University Department of Mathematics and by the Vice-Chancellor in the case of students of affiliated colleges.

(iii) of having completed an approved course of instruction.

**3.** A person who attends the required percentage of lectures but does not appear or having appeared, fails in the examination, may be allowed to appear in two subsequent examinations without attending a fresh course of lectures.

**4.** The amount of examination admission fee to be paid by a candidate shall be as prescribed by the Syndicate from time to time.

**5.1.** The medium of examination shall be English.

**5.2.** The medium of examination shall be held according to the syllabus and courses of reading prescribed by the Senate.

**6.** The minimum number of marks required to pass the examination shall be 40 per cent in each paper and 45 percent in the aggregate.

**7.1.** The successful candidates shall be classified into three divisions as under :-

- (a) Those who obtain 60 per cent or more of the .. First Division  
aggregate marks.
- (b) Those who obtain 50 per cent or more but less .. Second Division  
than 60 per cent of the aggregate marks.
- (c) Those who obtain less than 50 per cent of the .. Third Division  
aggregate marks.

**7.2.** Four weeks after the termination of the examination or as soon as possible, the Controller of Examinations shall publish the result of the examination.

**7.3.** Each successful candidate shall be granted a certificate showing the division in which he has passed together with the marks obtained by him and the aggregate marks.

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## **DIPLOMA IN CARTOGRAPHY EXAMINATION**

**1.1.** The duration of the course of instruction for Diploma in Cartography shall be one academic year.

**1.2.** The examination shall be held in Three Parts ordinarily in the months noted against each on such dates as may be fixed by the Syndicate :

Part I	..	September
Part II	..	December
Part III	..	April of the following year.

**1.3.** The dates for the commencement of these examinations and the last dates for receipt of admission forms and fees without and with late fee as fixed by the Syndicate from time to time, shall be notified by the Controller of Examinations.

**2.** A person who has passed one of the following examinations shall be eligible to join the course :

- (a) B.A./B.Sc. examination with Geography as one of the subjects from the Panjab University;
- (b) an examination of another University recognised by Syndicate as equivalent to (a).

**3.1.** A student who holds the qualification laid down in Regulation 2, has been on the rolls of the University Geography Department and produces the following certificates signed by the Head of the Department shall be eligible to appear in the examination of Part I :

- (a) of having good character; and
- (b) of having attended not less than 66 per cent of the lectures in each paper delivered to the class and of having completed the prescribed practical work during the academic term preceding the examination.

**3.2.** A student who has passed Part I examination and produces the certificates prescribed in Regulation 3.1 shall be eligible to appear in Part II examination.

**3.3.** A student who has passed Part II examination and produces the certificate prescribed in Regulation 3.1 shall be eligible to appear in Part III examination.

**3.4.** A deficiency in the required number of lectures may be condoned—

- (i) up to 15 by the Head of the Department;
- (ii) up to 25 by the Dean of University Instruction on the recommendation of the Head of the Department.

**4.** The examination fee to be paid by a candidate shall be as prescribed by the Syndicate from time to time—

**5.** The medium of examination shall be English.

**6.** The examination in Parts I, II and III shall consist of—

Part I -General Cartography :

1.	One theory paper of 3 hours' duration	..	30 marks
2.	(i) Practical Laboratory Test (6 hours)	..	50 marks
	(ii) Sessional Record	..	10 marks
	(iii) Viva Voce	..	10 marks
	Total	..	100 marks

## Part II–Cartography and Graphics :

1.	One theory paper of 3 hours	..	30 marks
2.	Practical Laboratory Test of 6 hours' duration in two sessions	..	50 marks
3.	Sessional Record	..	10 marks
4.	Viva Voce	..	10 Marks
	Total	..	100 marks

## Part III–

1.	Two theory papers of 3 hours' duration each–		
	(i) Paper A will cover 'Mapping From Aerial Photographs'	..	45 marks
	(ii) Paper B will cover 'General Cartography' and 'Cartography and Graphics'.	..	30 marks
2.	Two laboratory tests I and II each of 6 hours duration and each test in two sessions -		
	(i) Test I will cover 'Mapping From Aerial Photographs'	..	85 marks
	(ii) Test II will cover 'General Cartography' and 'Cartography and Graphics'	..	70 marks
3.	Sessional Record on 'Mapping From Aerial Photographs'	..	10 marks
4.	Viva Voce on 'Mapping From Aerial Photographs'	..	10 marks
	Total	..	250 marks

**7.1.** The minimum number of marks required to pass the examination in each Part shall be :

- (i) 33 per cent in each theory paper;
- (ii) 33 per cent in each practical including viva voce and sessional record;
- (iii) 33 per cent in each laboratory test; and
- (iv) 40 per cent in the aggregate.

**7.2.** The Final results will be declared on the combined marks obtained by a candidate in Parts I, II and III.

**8.1.** Successful candidates shall be classified as under : –

- |       |  |    |                 |
|-------|--|----|-----------------|
| (i)   | Those who obtain 60 per cent or more of the aggregate marks.                       | .. | First Division  |
| (ii)  | Those who obtain 50 per cent or more but below 60 per cent of the aggregate marks. | .. | Second Division |
| (iii) | Those who obtain less than 50 per cent of the aggregate marks.                     | .. | Third Division  |

**8.2.** The Controller of Examinations shall publish the result of the examination four weeks after the commencement of the examination or as soon thereafter as possible.

**8.3.** Each successful candidate shall be granted a Diploma showing the division in which he has passed together with the marks obtained by him and the aggregate marks.

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## **DIPLOMA IN RURAL DEVELOPMENT SCIENCE**

1. The duration of the course for Diploma in Rural Development Science shall be one academic year.
2. A candidate who has passed one of the following examinations shall be eligible to join the course :
  - (i) pre-Medical or Pre-Engineering from the Panjab University with atleast 50% of the aggregate marks;
  - (ii) B.Sc. Part I from Panjab University with atleast 50% of the aggregate marks;
  - (iii) Any other examination recognised by the Panjab University as equivalent to (i) or (ii).
3. The examination shall be open to a student who possesses the qualifications laid down in Regulation 2, has been on the rolls of the college and produces the following certificates duly signed by the Principal :
  - (i) of good character;
  - (ii) of having been on the rolls of the college affiliated to this University for the academic year preceding the examination;
  - (iii) of having attended not less than 66% of the lectures delivered and practicals held in the subject in which he is to be examined.
4. The examination shall be held once a year ordinarily in the month of May on such dates as may be fixed by the Syndicate.
5. The date of commencement of the examination and the last date for receipt of examination admission forms without and with late fee shall be as fixed by the Syndicate.
6. The examination fee to be paid by a candidate shall be as prescribed by the Syndicate time to time.
7. A student who having attended the prescribed number of lectures, does not appear in the examination or having appeared in the examination has failed may be permitted on the recommendation of the Principal to appear in the examination as late college student, within a period of two years after completing the course.
8. Deficiency in the prescribed number of lectures may be condoned as under :
  - (i) If the deficiency is up to 15 in theory and 8 in practicals. .. By the Principal of the college.
  - (ii) If the deficiency is up to 25 in theory and 16 in practicals. .. By the Vice-Chancellor.
9. The examination shall be held in accordance with the syllabus prescribed by the Senate and the medium of examination shall be English/Hindi/Punjabi.
10. The minimum number of marks required to pass the examination shall be :
  - (a) 40 per cent in each written paper and practical separately;
  - (b) 45 per cent in the aggregate.
11. Four weeks after the termination of the examination or as soon as possible the Controller of Examinations shall publish the result.

**12.** Successful candidates shall be classified as under :

- (a) Those who obtain 60 per cent or more of the aggregate marks .. First Division
- (b) Those who obtain 50 per cent or more but less than 60 percent of the aggregate marks. .. Second Division
- (c) Those who obtain less than 50 per cent of the aggregate marks. .. Third Division

**13.** Each successful candidate shall be granted a Diploma showing division in which he has passed. Marks obtained in each subject shall also be supplied to each candidate.

**14.** This Diploma Course shall fall under the purview of the Science and Art Faculties combined.

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## **POST GRADUATE DIPLOMA IN MANAGEMENT OF PUBLIC ENTERPRISE**

*(Regulations to be in force with effect from the admissions of academic session 1985-86)*

- 1.** The duration of the course for the Post-graduate Diploma in Management of Public enterprise shall be one academic year.
- 2.** The minimum qualifications for admission to the course shall be :
  - (a) Master's degree/Bachelor's degree in any faculty of Panjab University with not less than 50 per cent marks in the aggregate or a degree from any other University which has been recognised by the Syndicate as equivalent thereto.
  - (b) Full time paid work experience for two years after graduation.
- 3.** The examination shall ordinarily be held in the month of April or on such dates as may be fixed by the Syndicate.
- 4.** Every candidate shall pay examination fee at the time of admission to the course, along with tuition fee and other charges as prescribed by the Syndicate from time to time.
- 5.** The last date for receipt of examination admission form and fee with and without late fee shall be fixed by the Syndicate.
- 6.** A candidate who possesses the qualifications laid down above shall be eligible to appear in the examination provided he produces the following certificates signed by the Head/Chairman of the Department :-
  - (a) of good moral character;
  - (b) of having been on the rolls of the Department during the academic year preceding the examination, having attended not less than 75 per cent of the lectures delivered.
- 7.** A deficiency in the required number of lectures up to 10 per cent in each paper may be condoned by the Board of Control.
- 8.** A student who has completed the prescribed course but does not appear in the examination, or having appeared in the examination, has failed may be allowed to appear in the examination as a late college student for two consecutive years without attending a fresh course of instruction.
- 9.** There shall be a Board of Control consisting of the following for the purpose of co-ordination and control :-
  - (a) Head/Chairman of the Department of Public Administration. : (Convener)
  - (b) All Professors in the Department
  - (c) One third of the Readers not exceeding two by rotation.
  - (d) Two teachers teaching the Diploma Course if not covered under (b) and (c).
  - (e) One outside expert nominated by the Vice-Chancellor.
- 10.** Every candidate shall be examined in the subject as laid down in the syllabus published from time to time.
- 11.** The medium of instruction and examination shall be English.



**12.** The minimum number of marks to pass the examination shall be :  
40% in each paper and 50% in the aggregate and successful candidates shall be classified as :-

- (a) those who obtain 60% or more .. First Division
- (b) others .. Second Division.

**13.** As soon as possible after the termination of the examination, the Controller of Examinations shall publish the result of the candidates.

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## **DIPLOMA COURSE IN EXPLORATION GEOLOGY**

**1.1.** The duration of the Course for Diploma in Exploration Geology shall be one academic year.

**1.2.** The examination for the course shall be held once a year, ordinarily in the month of June or on such dates as may be fixed by the Syndicate.

**1.3.** The date of examination and the last date for receipt of admission form with requisite fee, as fixed by the Syndicate, shall be notified by the Controller of Examinations.

**1.4.** The examination fee to be paid by a candidate shall be as fixed by the Syndicate from time to time.

**2.** The minimum qualifications for admission to the Course shall be :-

- (a) M.Sc. Honours School degree in Geology of the Panjab University with the minimum of 50% of aggregate marks i.e. second division.
- (b) M.Sc./M.Tech. degree in Geology/Applied Geology of any other University recognised by the Syndicate as equivalent to (a).

**3.** A person who possesses the qualifications laid down in Regulation 2 shall be eligible to appear in the examination provided he produces the following certificates signed by the Head of the Department of Geology :-

- (a) of good character;
- (b) of having been on the rolls of the Department of Geology during the academic year preceding the examination; and
- (c) of having attended not less than 75 per cent of the lectures delivered to the class in theory and practicals and training programmes respectively.

**4.1.** A deficiency in the required number of lectures may be condoned -

- (a) up to 10% by the Board of Control in Geology :-
- (b) up to 15% by the Dean of University Instruction on the recommendation to the effect by the Board of Control in Geology.

**4.2.** Subject to the approval of the Dean of University Instruction, the Board of Control in Geology shall be the authority to admit students, on the number of seats to be decided by it (Board) and it shall have the authority to remove students from the Course or class in accordance with the rules laid down by the Academic Council.

**4.3.** Each student shall be under the control and discipline of the Board of Control shall, in case of misconduct, have the power to remove a student from Course.

**4.4.** Subject to the approval of the Dean of University Instruction the Board of Control shall have the authority to take a decision on any matter not covered in these regulations.

**5.** The examination shall be held in accordance with the prescribed syllabus.

**6.** The medium of examination shall be English.

**7.** The internal assessment will be based on the record of day-to-day performance of the candidate in the practical classes and the field works.

**8.1.** The number of theory papers and practicals and dissertation as well as the distribution of marks among theory papers, practicals, dissertation and viva voce if any, shall be given as in the syllabus.

**8.2.** The minimum marks required to pass the examination shall be 50% in (a) each theory paper, (b) each practical and (c) dissertation.

**8.3.** The papers will be set jointly by the external and internal examiners (internal examiner is one who has actually taught the course). The examination in practicals will be held as decided by the Board of Control who will appoint the respective external and internal examiners in the concerned practical papers which shall also include the viva voce test in the paper(s) concerned.

**8.4.** The answer books would be examined independently by the internal and external examiners. The average of the two awards would be taken as long as the difference between the two awards is not more than 10% of the maximum marks. In case where the difference between the two awards is more than ten per cent the scripts would be sent to the third examiner for marking and the average of the two highest scores would be taken as the final score.

**8.5.** A candidate who fails in the first examination may be allowed to reappear in the subsequent year with the maximum of two chances.

**8.6.** A candidate who has failed in one or more theory papers or one or more practicals may be allowed to re-appear at the subsequent examination in the respective theory and/or practical paper(s).

**8.7.** Every candidate shall submit his dissertation at the time of his first examination and latest within two months of the completion of the theory and practical examination.

**8.8.** The Board of Control shall approve the reassignment of each candidate or his/her topic/subject of dissertation on the recommendation of the respective supervisor. The Supervisor for assignment/attachment shall be a Faculty Member in Geology of the Panjab University.

**8.9.** The dissertation is required to be sent to the external examiner, who shall be beyond the jurisdiction of Panjab University and a non-resident of Chandigarh, to evaluate it in terms of numerical marks.

The examiner to evaluate the thesis, as mentioned above, shall be appointed, subject topic-wise, by the Board of Control as per the recommendation of the internal Supervisor(s).

The marks awarded by the examiners of each dissertation shall be moderated and decided upon at the time of comprehensive viva voce test(s) which would be conducted by the Board of Examiners consisting of external examiner(s), Supervisor(s) and Head of the Department as Chairman of the Board.

**8.10.** A candidate who fails to secure minimum pass marks in dissertation, shall be required to submit a fresh dissertation on a subject/topic to be assigned by the Board of Control in consultation with the Supervisor concerned.

The candidate shall pay the tuition fee; for the whole period till he gets through in this paper.

**9.** Successful candidates who secure 70% and more of the aggregate marks shall be placed in 'merit grade' and the position in order of merit as also percentage of marks obtained by the candidate shall be mentioned in the Diploma. Those who secure 60% or more but less than 70% of the aggregate marks shall be placed in "very good grade" which shall be mentioned in the Diploma together with the percentage of marks obtained by the candidate. Those who secure 50% or more but less than 60% of the aggregate marks shall be placed in "good grade" which shall be mentioned in the Diploma together with the percentage of marks obtained by the candidate.

**10.** Each successful candidate shall receive a Diploma showing the percentage of marks and grade secured by the candidate as well as the topic/theme of the dissertation. The Diploma shall be awarded to the candidate at the Annual Convocation of the University.

**11.** This Diploma in Exploration Geology shall be equivalent to M.Phil./Pre-Ph.D. degree of the University in the specific theme/sub-discipline of Geology/Geosciences/Applied Geology.

**12.** The period spent by a candidate who has been awarded Diploma in Exploration Geology and who has been found suitable for enrolment for Ph.D. degree by the Board of Post-graduate Studies/Board of Control may be allowed by the Joint Research Board to be counted towards the minimum period for Ph.D. research. Such candidates will also be eligible for proportionate exemption in regard to the minimum residence of 30/36 weeks as provided in Ph.D. regulation.

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## **POST-GRADUATE DIPLOMA IN BIO-TECHNOLOGY**

*(Effective from the Admissions of 1989)*

- 1.** The duration of the course for the Post-graduate Diploma in Bio-technology shall be one academic year.
- 2.** A person who has passed one of the following examinations shall be eligible to join the course :-  

M.Sc./M.Sc. (Honours School) in Agriculture, Physics, Chemistry, Botany, Zoology, Microbiology, Biophysics, Biochemistry or Anthropology from any University recognized by the Panjab University.
- 3.** The admission to the course shall be on the basis of an entrance test and/or other procedures laid down by the Syndicate, from time to time.
- 4.** The examination shall be held in accordance with the syllabi approved from time to time.
- 5.** A person who possesses the qualification laid down in Regulation 2 and produces the following certificates signed by the Chairperson/Co-ordinator of the Centre, shall be eligible to appear in the final examination :-
  - (a) of good character;
  - (b) of having been on the rolls of the centre during the academic year preceding the examination;
  - (c) of having attended not less than 66% of lectures delivered to the class in each paper and practicals held separately.
- 6.** The open and continuous system of evaluation of courses will be followed. The schedule of teaching and examination will be approved by the Syndicate before commencement of the session. The awards and answer-books of each examination, after having been shown to the students, will be immediately submitted to the Controller of Examinations by the Co-ordinator of the Centre.
- 7.** There shall be a Board of Control in Bio-technology constituted by the Syndicate for the purpose of co-ordinating the activities of the centre of Bio-technology. The Chairman of the Board of Control and the Co-ordinator of the Centre will be appointed by the Vice-Chancellor. The Co-ordinator of the centre will act as Convener of the Board of Control.
- 8.** A deficiency in the required number of lectures up to 5% in each paper may be condoned by the Board of Control.
- 9.** The examination fee will be charged in the beginning of the course along with the admission, tuition fees and other dues.
- 10.** The medium of instruction and examination shall be English.
- 11.** The minimum number of marks to pass the examination shall be 50% in each written paper, practical & viva voce and sessionals (based on the assessment of regular Lab./class work, research performances etc.) separately.
- 12.** There shall be no grace marks.
- 13.** The result of the candidates shall be either pass or fail only. However, in exceptional cases (e.g. on medical grounds), the Board of Control may allow re-examination in not more than one

paper. This examination will be allowed at the time of the next regular examination. No special examination will be held.

**14.** The successful candidates shall be classified as under :-

- (a) Those who obtain 75% or more of the aggregate marks. .. First Division with Distinction.
- (b) Those who obtain 60% or more but less than 75% of the aggregate marks. .. First Division
- (c) Those who obtain 50% or more but less than 60% of the aggregate marks. .. Second Division

**15.** The result of the examination shall be published by the Controller of Examinations by compiling all the awards received during the tenure of the course.

**16.** Every successful candidate shall be granted Diploma indicating the awards in Theory and practicals, separately and the Distinction/Division in which he has passed.

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## **DIPLOMA IN FORENSIC SCIENCE AND CRIMINOLOGY**

**1.1.** The duration of the Course for Diploma in Forensic Science and Criminology shall be one academic year.

**1.2.** The examination for the Course shall be held once a year, ordinarily in the month of April/May on such dates as may be fixed by the Syndicate.

**1.3.** The date of examination and the last date for receipt of admission form with requisite fee as fixed by the Syndicate, shall be notified by the Controller of Examinations.

**1.4.** The examination fee to be paid by a candidate shall be as prescribed by the Syndicate from time to time.

**2.** The minimum qualifications for admission to the Course shall be :-

(a) B.Sc. degree of the Panjab University;

or

(b) A Bachelor's degree in any other Faculty of the Panjab University provided that he has passed + 2 examination under 10 + 2 system of education with Science or an equivalent examination;

or

(c) an examination of any other University recognised by the Syndicate as equivalent to (a) or (b).

**3.** A person who possesses the qualifications laid down in Regulation 2 shall be eligible to appear in the examination provided he produces the following certificates signed by the Head of the Department of Anthropology :-

(a) of good character;

(b) of having been on the rolls of the Department of Anthropology during the academic year preceding the examination; and

(c) of having attended not less than 66 per cent of the lectures in each paper delivered for the course in theory and practicals/demonstrations.

**4.** A deficiency in the required number of lectures may be condoned :-

(a) up to 15 by the Head of the Department; and

(b) up to 25 by the Dean of the University Instruction on recommendation of the Head of the Department.

**5.** The examination shall be held in accordance with the prescribed syllabus.

**6.** The medium of examination shall be English.

**7.** A candidate who has attended the prescribed number of lectures but does not appear in the examination, or having appeared has failed, may be permitted to appear at the examination as an ex-student in the next two examinations.

**8.** The minimum percentage of marks required to pass the examination shall be 40 in each paper separately in theory and practicals.

- 9.** Successful candidates shall be classified as under :-
- (a) Those who obtain 75% or more of the aggregate marks. .. First Division with Distinction.
  - (b) Those who obtain 60% or more but less than 75% of the aggregate marks. .. First Division
  - (c) Those who obtain 50% or more but less than 60% of the aggregate marks. .. Second Division

**10.** The Controller of Examinations shall publish the result of the examination four weeks after the termination of examination or as soon as possible.

**11.** Each successful candidate shall be granted a Diploma showing the division in which he has passed together with the marks obtained by him and the aggregate marks.

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**REGULATIONS FOR THE ONE -YEAR DIPLOMA IN ADVANCED SCIENTIFIC  
COMPUTATION (DASC) SEMESTER SYSTEM  
W.E.F. ADMISSION OF JULY, 2002.**

**Duration**

1. The duration of course leading to Diploma in Advanced Scientific Computation (DASC) shall be one year comprising two semesters. The examination of first semester will be held in the month of December and that of the second semester will held in April/May or on such other dates as may be fixed by the appropriate University authorities.

**Admission**

2. The minimum qualification for admission to the diploma shall be -

- (i) Masters degree in Science subjects of Panjab University

or

- (ii) B.E. Tech.
- (iii) Any other examination recognized by Panjab University equivalent to the above examination

3. The admission will be to the First semester of the DASC. The admission will be governed by the rules approved by the University authorities from time to time.

4. Every candidate admitted to DASC course shall pay admission fee and tuition fees and examination fee for each semester of an academic year to the University as prescribed by the University from time to time.

**Examination and Assessment**

5. The Board of Control in Physics will recommend a committee for two years with its Convener as the Coordinator of the Diploma course for approval by the Vice-Chancellor.

The Chairperson of the Department of Physics, on the recommendation of the Coordinator of the course, shall forward to the Controller of Examinations a list of students who have satisfied the requirements of the rules and regulations and are qualified to appear in the examination.

The Board of Control in Physics from time to time will revise the Syllabi.

6. The first and second semester examination shall be open to a regular candidate who -

- (i) has been on the rolls of the Department of Physics during first/second semester for the Diploma Course respectively preceding the examination.
- (ii) has attended not less than 75 per cent lectures and practicals in each subject of the prescribed course for the first and second semester examination a deficiency of attendance may be condoned as per University Rules.

7. A student must pass all prescribed examination in maximum two academic sessions from the date of admission in the course in order to be eligible for award of Diploma subject to the above a student who scores less than 40 per cent marks in any subject may be allowed to reappear in one or more subjects as specified.

- 8. (i) All the assessment will be wholly internal for all theory papers. For laboratory courses, it may be wholly internal or there may be a external examiner. The Board of Control in Physics on the recommendation of Coordinator of the Course will appoint the external examiner.

- (ii) The Coordinator/teacher for the course/paper is responsible for maintaining the desired standard of the course/paper and for evaluating students performance.
- (iii) In a theory course/paper 25 per cent of the total marks will be for in semester assessment and 75 per cent for end semester examination.
- (iv) In a theory course/paper the answer books of end-semester examination will be available to students for perusal according to the schedule which will be announced by the department/teacher.
- (v) In laboratory course 50 per cent marks will be meant for semester assessment which will depend on the following :
  - (a) The performance of student in achieving the desired result in practical.
  - (b) Viva Voce on the experiment.
  - (c) Written report on the experiment.

9. The evaluation of the project work shall be done by a committee of at least two internal examiners appointed by the Board of Control on the recommendation of the Coordinator of the Diploma Course. The student may be asked to present his/her project work in a seminar.

10. The result of the examinations shall be prepared and declared by the Controller of Examinations.

11. The students of the Diploma course will be at par with the whole time students of the University for Hostel Facilities as per the University rules.

12. Successful candidates shall be classified as under :-

- (i) Those who obtain 75% or more of total aggregate marks of all the semester examinations : First division with distinction provided that the candidate has passed all the examinations/subjects in first attempt.
- (ii) Those who obtain 60% or more but less than 75 per cent of total aggregate marks of all the semesters taken together : First division.
- (iii) Those who obtain less than 60 per cent of total aggregate marks of all the first and second semester taken together : Second division.

**Re-examination**

13. All the reappear examinations will be held along with the regular examinations in December/April or any other dates approved by the Board of Control as per the University rules.

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## **DIPLOMA IN CLINICAL LABORATORY TECHNIQUES**

**1.1.** The duration of the Course for Diploma in Clinical Laboratory Techniques shall be one academic year.

**1.2.** The examination shall be held once a year ordinarily in the month of May on such dates as may be fixed by the Syndicate.

**1.3.** The date of examination and the last date for receipt of admission form with requisite fee as fixed by the Syndicate shall be notified by the Controller of Examinations.

**1.4.** The examination fee to be paid by a candidate shall be as prescribed by the Syndicate from time to time.

**2.** A person who has passed one of the following examinations shall be eligible to join this Course :-

- (a) Pre-Medical examination of the Panjab University;
- (b) B.Sc. examination of the Panjab University;
- (c) an examination of any other University/Board recognised by the Syndicate as equivalent to (a) or (b).

**3.** A person who possesses the qualifications laid down in Regulation 2 shall be eligible to appear in the examination, provided he produces the following certificates signed by the Chairperson of the Microbiology Department Panjab University :-

- (a) of good character;
- (b) of having been on the rolls of the Department of Microbiology during the academic year preceding the examination; and
- (c) of having attended not less than 66 per cent of the lectures in each paper delivered for the Course in theory and practicals.

**4.1.** Subject to the approval of the Dean of University Instruction the Board of Control in Microbiology shall be the authority to admit students and it shall have the authority to remove students from the Course or class in accordance with the rules laid down by the Academic Council.

**4.2.** Each student shall be under the control and discipline of the Board of Control. The Board of Control in consultation with the Dean of Student Welfare shall in case of misconduct have power to remove a student from the Course.

**4.3.** Subject to the approval of the Dean of University Instruction, the Board of Control shall have the authority to take a decision on any matter not covered in these regulations.

**5.** A deficiency in the required number of lectures may be condoned :-

- (i) up to 15 lectures by the Head of the Department;
- (ii) up to 25 lectures by the Dean of University Instruction on the recommendation of the Head of the Department.

**6.** The examination shall be held in accordance with the syllabus prescribed from time to time.

7. The internal assessment will be based on the house test results conducted periodically and the record of day to day performance of the candidate in the practical classes.

8. The medium of examination shall be English.

9. A candidate who has attended the prescribed number-of lectures but does not appear in the examination or having appeared has failed, maybe permitted by the Board of Control to appear at the examination as a private candidate within a period of two years of completing the Course. A candidate who has failed once shall not be permitted to rejoin the Course.

10. The minimum number of marks required to pass the examination shall be 40 per cent in each paper.

11. The Board of Control together with the Internal Examiners shall finalize the results of the candidates and classify the successful candidates into the following division :-

- (a) Those who obtain 60 per cent or more of the aggregate marks .. First Division
- (b) Those who obtain 50 per cent or more but below 60 percent of the aggregate marks. .. Second Division
- (c) Those who obtain less than 50 per cent of the aggregate marks. .. Third Division

12. The Controller of Examinations shall publish the result of the examination four weeks after the termination of the examination or as soon as possible.

13. Each successful candidate shall be granted a Diploma showing the division in which he has passed together with the marks obtained by him and the aggregate marks.

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## **POST-GRADUATE DIPLOMA IN COMPUTER APPLICATIONS**

*(Effective from the admissions of 1998)*

**1.** The duration of Post-graduate Diploma in Computer Applications (PGDCA) course shall be one year. The examination will be conducted at the end of the academic year on such dates as may be fixed by the Syndicate.

**2.** The minimum qualifications for the course shall be :-

- (i) Bachelor's degree of Panjab University under 10+2+3 system of examination with at least 50% marks in any discipline.
- (ii) B.E./B.Tech.
- (iii) Any other examination recognized by the Syndicate as equivalent to (i) above.

**3.** The admission to the course shall be on the basis of entrance test and/or other procedures laid down by the Syndicate from time to time.

**4.** (i) The Advisory Committee for the Department of Computer Science and Applications will function as the Board of Control till such time as a regular Board of Control is constituted.

(ii) The Advisory Committee/Board of Control shall process the admissions as per procedures laid down in Para 3 above and submit its recommendations to the Dean of University Instruction for approval.

(iii) Subject to the approval of the Dean of University Instruction the Advisory Committee/Board of Control shall be the authority to reverse/expel students from the class in accordance with rules.

**5.** Every student admitted to the Post-graduate Diploma in Computer Applications (PGDCA) course shall be on the rolls of Regional Centre/affiliated college to the Panjab University and shall pay such fee/s to the Centre/College as the Syndicate may prescribe from time to time.

**6.** The Advisory Committee/Board of Control shall make recommendations to the appropriate bodies for their approval in all matters concerning the Post-graduate Diploma course, syllabi and appointment of examiners.

**7.** The classroom instruction and the examination will be as per the approved syllabi for a particular session. Internal Assessment will be an integral part of system of examination and evaluation.

**8.** The medium of instruction and examination shall be English.

**9.** Every candidate of PGDCA shall send his/her application for the final examination through the Director/Principal of Regional Centre/affiliated college. The following certificates must be attached with the application form :-

- (a) of good moral character;
- (b) of having attended at least 75% of the total number of lectures and practicals separately in each course.

**10.1.** In order to qualify in the Project Report the candidate must obtain a minimum of 50% marks.

**10.2.** 40% in the Internal Assessment part of every subject separately of the examination, whether theory and practical is a pre-requisite to appear in the final examination.

**10.3.** In order to qualify in the examination the candidate must obtain a minimum of 40% marks in Theory and Practical separately.

**10.4.** A candidate will be declared successful if he/she has qualified in each paper and has obtained 50% marks in the aggregate :-

- |       |   |   |                                 |
|-------|---|---|---------------------------------|
| (i)   | those who obtain 75 per cent or more of the aggregate marks.                          | : | First division with Distinction |
| (ii)  | those who obtain 60 per cent or more but below 75 per cent of the aggregate marks.    | : | First Division                  |
| (iii) | those who obtain 50 percent or more but less than 60 per cent of the aggregate marks. | : | Second Division                 |

**11.** A candidate who obtains 50% of the aggregate marks but fails only in one paper may appear in a subsequent examination or examinations and if he/she passed in that paper, he/she shall be deemed to have passed the examination. The candidate shall have to clear the compartment paper within two consecutive regular examinations from the date of his/her first failing in that paper.

**12.** The Internal Assessment awards of the candidate who fails in the final examination shall be carried forward to the subsequent examination.

**13.** The examination fee to be paid by the candidate shall be decided by the Syndicate from time to time.

**14.** Every successful candidate shall be granted Post-graduate Diploma in Computer Applications indicating the awards in Theory and Practicals separately (along with any reappears) and the Distinction/Division in which he/she has passed.

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## **MASTER OF COMPUTER APPLICATIONS**

**1.** The duration of the course leading to the degree of Master of Computer Applications shall be three academic years comprising of six semesters. The examination of various semesters will be held on such dates as may be fixed by the Syndicate from time to time.

**2.1** The minimum qualification for admission to the First year of the course shall be –

- (i) Bachelor's degree in any discipline with at least 50 marks in aggregate under 10+2+3 system of examination of Panjab University.
- (ii) B.E./B.Tech.
- (iii) Any other examination recognized by the Panjab University as equivalent to the above examination with at least 50% marks in aggregate.

**2.2** The admission will be only to First Semester of First Year of M.C.A. The admission will be governed by the rules framed by the Syndicate from time to time.

**3.** Every candidate admitted to the M.C.A. course shall pay admission and examination fee for each semester of an academic year to the University as prescribed by the Syndicate/Senate from time to time.

A candidate appearing in any paper(s) as a reappear candidate in the examination shall pay examination admission fee per paper subject to the maximum fee for the full semester examination, in addition to the examination admission fee for the semester examination, if any, in which he appears as a regular candidate, as may be prescribed by the Syndicate/Senate from time to time.

**4.** Before the commencement of each semester examination, the Chairperson of the Department of Computer Science & Applications shall forward to the Controller of Examinations, a list of students who have satisfied the requirements of rules and regulations and are qualified to appear in the examination.

**5.** At the end of each semester, every candidate shall appear in the whole examination or in such subjects as may be prescribed by the Board of Studies from time to time keeping in view the course/objectives and approved by the appropriate University authorities. The medium of instruction and examination shall be English.

**6.1.** The First and Second semester examinations shall be open to a regular candidate who :-

- (i) has been on the rolls of the Department of Computer Science & Applications during first and second semester respectively preceding the examination;
- (ii) has attended not less than 76 per cent of the lectures and practicals in each subject of the prescribed course for the First and Second semester examinations, a deficiency of up to 10 per cent of the lectures actually delivered and practicals conducted may be condoned by the Board of Studies on the recommendation of the Chariman of the Department;
- (iii) has obtained at least 40 per cent marks in the internal assessment of each such subject.

**6.2.** The Third and Fourth semester examinations shall be open to a regular candidate who :-

- (i) has been on the rolls of the Department of Computer Science and Applications during Third and Fourth semester respectively preceding the examination;

- (ii) has passed the First and Second semester examinations or is eligible to appear in the Third and Fourth semester examination under Regulation 9;
- (iii) has attended not less than 75 per cent of the lectures and practicals in each subject of the prescribed course for the Third and Fourth semester examination, provided that a deficiency of not more than 10 per cent of the lectures actually delivered and practicals conducted may be condoned by the Board of Studies on the recommendation of the Chairman of the department;
- (iv) has obtained at least 40 per cent marks in the internal assessment of each subject.

**6.3** The Fifth and Sixth semester examination shall be open to a candidate who :-

- (i) has been on the rolls of the Department of Computer Science and Applications during Fifth and Sixth semesters preceding the examination;
- (ii) has passed the First, Second, Third and Fourth Semester examinations or is eligible to appear in the Fifth and Sixth Semester examination under Regulation 9;
- (iii) has attended not less 75 per cent of the lectures and practicals in each subject of the prescribed course of the Fifth and Sixth semesters of the Third Year examination, provided that a deficiency of not more than 10 per cent of the lectures actually delivered and practicals conducted may be condoned by the Board of Studies on the recommendation of the Chairman of the department;
- (iv) has obtained at least 40 per cent marks in the internal assessment of each such subject.

**7.** The minimum percentage of marks required to appear in and pass the First, Second, Third, Fourth, Fifth and Sixth Semester examinations shall be as follows in each case :-

- (i) 40 per cent in the internal assessment part of every subject separately of the examination, whether theory or practical (including project work, etc.), as a prerequisite to appear in the First, Second, Third, Fourth, Fifth and Sixth semester examinations; and.
- (ii) 50 per cent in the total of the internal assessment part and the University examination part of every subject separately of the examination, whether theory or practicals (including project work. etc.) for passing the First, Second, Third, Fourth, Fifth and Sixth semester examinations; and

A student who does not obtain 40 per cent marks in the internal assessment part of every subject separately of the First, Second, Third, Fourth, Fifth and Sixth semester shall be required to again study the subject, submit assignments, appear in class test and present Seminar prescribed for that semester in the next academic session before being allowed to appear in the University examination as approved by the Board of Studies subject to the restriction that a student must complete all course requirements and pass all prescribed examinations within a maximum period of five academic sessions from the original date of joining the Course in order to be eligible for the award of the Degree.

- (iii) If a student gets re-appear in a paper/s then the students have to appear



as a appear as re-appear candidate along with the regular students. There shall be no special reappear examination.

**8.** Grace marks shall be given at the rate of one per cent of the aggregate marks of all subjects of the First, Second, Third, Fourth, Fifth and Sixth semester examinations, as the case may be. A candidate may avail of the grace marks either in the aggregate or in one or more papers as may be his/her advantage. Grace marks shall, however, be given only for passing the examination or for earning a higher division and not for improving internal assessment or for passing the examination with distinction.

**9.** The student must complete all course requirements and pass all prescribed examinations in maximum five academic sessions from the date of joining the course in order to be eligible for award of the Degree. Subject to the above, a student may be allowed to re-appear in one or more subjects as specified below :-

- (i) A candidate who having obtained the pre-requisite marks in the internal assessment part of every subject of the First and Second semester examination under Regulation 7(i), appears in the First and Second semester examination but fails to pass the examination under Regulation 7(ii), may be allowed to study in the Third semester of the Second Year of the course and to re-appear in all or some of the subjects of the First and Second semester examination along with the subjects of the Third and Fourth semester examination. The subjects in which the candidate shall be eligible to re-appear shall be only those in which he/she has obtained less than 50 per cent marks in the total of the Internal Assessment part and the University examination part (Internal Assessment marks shall not be reassessed, but shall be carried over). If he/she still fails to clear the First and Second semester examination, the candidate shall not be allowed to study for the Fifth semester of the Third Year of the Course, and his result of the Third and Fourth semester examination shall be withheld, till all subjects, prescribed for the First and Second semester examination have cleared by him/her.
- (ii) A candidate who having obtained the pre-requisite marks in the internal assessment part of every subject of the Third and Fourth semester of Second year examination under Regulation 7(i), appears in Third and Fourth semester of Second year examination under Regulation 7(ii), may be allowed to study in the Fifth semester of the Third Year of the course and to re-appear in all or some of the subjects of the Third and Fourth semester examination along with the subjects of the Fifth and Sixth semester examination. The subjects in which the candidate shall be eligible to re-appear shall be only those in which he/she has obtained less than 50 per cent marks in the total of the Internal Assessment part and the University examination part (Internal Assessment marks shall not be reassessed, but shall be carried over). If he/she still fails to clear the Third and Fourth semester examination, the result of the candidate of the Fifth and Sixth semester examination shall be withheld, till all subjects prescribed for the Third and Fourth semester examination have cleared by him/her.
- (iii) A candidate who having obtained the pre-requisite marks in the internal assessment part of every subject of the Fifth and Sixth semester of Third

Year examination under Regulation 7(i), appears in the fifth and sixth semester examination but fails to pass the examination under Regulation 7(ii), may be allowed in re-appear in all or some of the subjects of the fifth and sixth semester examination. The subjects in which the candidate shall be eligible to re-appear shall be only those in which he/she has obtained less than 50 per cent marks in the total of the Internal Assessment part and the University examination part (Internal Assessment marks shall not be reassessed, but shall be carried over).

**10.** The Vice-Chancellor shall appoint the paper setters on the recommendation of the Board of studies for the setting of question papers in the subject of M.C.A.

**11.** Examiners for all subjects, whether external or internal shall be appointed by the Vice-Chancellor on the recommendation of the Board of Studies. The evaluation of the project work shall be done by a committee of three internal examiners appointed by the Vice-Chancellor.

**12.** The results of examinations shall be prepared and declared by the Controller of Examinations.

**13.** Successful candidates shall be classified as under :-

- (i) Those who obtain 75 per cent or more of the total aggregate marks of all the First and Second, Third & Fourth, Fifth & Sixth Semester examinations taken together : First division with Distinction, provided that the candidate had passed all the examinations/subjects in the first attempt.
- (ii) Those who obtain 60 per cent or more, but less than 75 per cent of the total aggregate marks of all the First & Second, Third & Fourth, Fifth & Sixth semester examinations taken together : First division.
- (iii) Those who obtain less than 60 per cent of the total aggregate marks of all the First & Second, Third & Fourth, Fifth & Sixth Semester examinations taken together : Second division.

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## **ONE YEAR DIPLOMA COURSE IN POPULATION EDUCATION**

*(Effective from the admissions of 1987)*

- 1.** The duration of the course of instruction for the Diploma in Population Education shall be one academic year.
- 2.** The examination shall ordinarily be held in the month of April on such dates as may be fixed by the Syndicate.
- 3.** The last date for receipt of examination admission forms with and without late fee shall be fixed by the Syndicate from time to time.
- 4.** The examination fee to be paid by the candidate shall be as prescribed by the Syndicate from time to time.
- 5.** The admission to the course shall be open to any person who has obtained the Bachelor's degree of the Panjab University or any other qualification recognised as equivalent thereto.
- 6.** Every student admitted to the Diploma course shall be on the rolls of the Department and shall pay such fee(s) to the University as the Syndicate may prescribe from time to time.
- 7.** There shall be an Advisory Committee for the Department which will be appointed by the Vice-Chancellor every alternate year. This will function as Board of Studies. It will include the Chairperson of Department of Correspondence Studies, and 4/5 members, one each from the major department to be nominated by the Vice-Chancellor.
- 8.** Every candidate shall be examined in the subject as laid down in the syllabus, prescribed from time to time.
- 9.** The medium of examination shall be English or Punjabi or Hindi.
- 10.** The examination shall be open to a student whose name has been sent by the Chairman, Department of Correspondence Studies, and who :-
  - (i) has been on the rolls of the Department of Correspondence Studies, during one academic year preceding the examination; and
  - (ii) has sent atleast 40 per cent of the response sheets to the Department of Correspondence Studies, for evaluation.
- 11.** A candidate who has been on the rolls of the Department of Correspondence Studies and fails to appear or having appeared fails in the examination, may be allowed to continue his enrolment for a period of two years immediately succeeding the year in which he completed the course on payment of continuation fee as prescribed by the Syndicate from time to time every year, in addition to the examination fee and to appear in the examination as an ex-student of the Department of Correspondence Studies.
- 12.** The minimum number of marks required to pass the examination shall be (i) 35 percent in each paper in the University examination and (ii) 40 per cent in the aggregate.
- 13.** Grace marks may be given in accordance with the University Regulations.

**14.** A candidate who obtains 40 per cent of the aggregate number of marks in all the papers but fails in one paper only, obtaining not less than 25 per cent of the marks in that paper may be admitted to the supplementary examination in that paper to be held in the month of September of the same year, or if he fails to pass or present himself for that examination then at the next annual examination. If he obtains 35 per cent marks in that paper in the University examination, he shall be declared to have passed the examination.

**15.** Such a candidate shall be required to pay admission fee for the whole examination and shall not be eligible for a prize or a medal. A candidate who fails to pass or to appear in the two chances allowed, shall be declared to have failed in the whole examination and must appear in all the papers if he desires to take examination again.

**16.** A candidate who fails to qualify in this examination in three consecutive examinations shall not be allowed to continue his studies in the course.

**17.** Successful candidates securing 60 per cent or more of the aggregate number of marks shall be placed in the first division, those who secure 50 per cent or more but less than 60 per cent shall be placed in the second division, and those who secure less than 50 percent shall be placed in the third division.

**18.** Four weeks after the termination of the examination or as soon thereafter, as possible, the Controller of Examinations shall publish a list of candidates who have passed, showing the division in which they have passed.

**19.** Each successful candidate shall be granted a diploma in Population Education showing the division in which he has passed.

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## **DIPLOMA COURSE IN STATISTICS**

*(Effective from the admissions of 1987)*

**1.** The Department of Correspondence Studies, Panjab University, shall undertake instruction for the Diploma in Statistics Course. The duration of the course shall be one academic year.

**2.** The Board of Studies in Statistics (Post Graduate) of the Department of Statistics will function as the Board of Studies for this Diploma. One representative of the Department of Correspondence Studies duly qualified in the subject of Statistics, will be co-opted as a member of the said Board whenever required for the purpose.

**3.** The Examination shall ordinarily be held at the end of the academic year on such dates as may be fixed by the Syndicate.

**4.** The last date for receipt of enrolment forms and examination admission forms, with or without late fee, shall be fixed by the Syndicate.

**5.** The Examination fee and enrolment fee, to be paid by the candidate, shall be as prescribed by the Syndicate from time to time.

**6.** The admission of the Course shall be open to any person who has obtained any one of the following two :-

- (i) The Bachelor's degree of the Panjab University with not less than 40% marks in the aggregate or any other qualification recognised as equivalent thereto.
- (ii) A Master degree in any subject of Panjab University or of any other University recognised as equivalent thereto.

**7.** A candidate may be allowed to join a Master's degree Course of the Panjab University simultaneously with the Diploma Course in Statistics.

**8.** The medium of instructions and examination shall be English.

**9.** In all, there will be four papers each of 100 marks. In each paper 10 marks shall be assigned for internal assessment and 90 marks for the University Examination.

**10.** Each student will be sent two response sheet assignments per paper which should be submitted for evaluation to the Department of Correspondence Studies within one month of the despatch (grace period of 14 days will be allowed to the students residing abroad). The internal assessment shall be based on the score on the response sheet assignments alone. The Chairman of the Department of Correspondence Studies shall forward internal assessment marks to the Controller of Examinations before the commencement of the Examination.

**11.** The minimum number of marks required to pass the examination shall be (i) 35 per cent in each paper in the University examination separately as well as jointly with internal assessment (where there is a provision for internal assessment) and (ii) 40 per cent in the aggregate.

**12.** A candidate who obtains 40 per cent of the aggregate number of marks in all the papers but fails in one paper only, obtaining not less than 25 per cent of the marks in that

paper, may be admitted to the supplementary examination in that paper to be held in the month of September of the same year, or if he fails to pass or present himself for that examination, then at the next annual examination. If he obtains 35% marks in that paper in the University Examination separately as well as jointly with internal assessment (where there is provision for internal assessment) in either of these examinations, he shall be declared to have passed the examination.

**13.** Candidate, as in clause 12 shall be required to pay admission fee for the whole examination and shall not be eligible for a prize or a medal. A candidate who fails to pass or to appear in the two chances allowed, shall be declared to have failed in the whole examination and must re-appear in all the subjects, if he desires to appear in it again.

**14.** A candidate who fails to qualify in this examination in three consecutive examinations shall not be allowed to continue his studies in the Course.

**15.** Grace marks be given in accordance with University Regulations.

**16.** The internal assessment awards of a candidate who fails in the examination shall be carried forward to the next examination.

**17.** Successful candidates securing 60 per cent or more of the aggregate number of marks shall be placed in the first division; those who secure 50 per cent or more but less than 60 per cent shall be placed in the second division and who secure less than 50 per cent shall be placed in the third division.

**18.** Each successful candidate shall be granted a Diploma in Statistics showing the division in which he has passed.

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## **MASTER OF LIBRARY AND INFORMATION SCIENCE**

**1.** The duration of the course for the degree of Master of Library and Information Science shall be one academic year and the examination shall be divided into two parts-viz. Part I at the end of the First Semester and Part II at the end of the Second Semester. The examination in Part I will be held in November/December and again in April/May of the following year along with Part II. A supplementary Examination will be held in November of the same year for candidates who fail in Part II examination held in April/May.

**2.** Rules for admission to the course and the amount of fees to be paid shall be laid down by the Syndicate.

**3.1.** The minimum qualifications for admission to the course for the degree of Master of Library and Information Science shall be :-

- (i) the Panjab University Post-graduate diploma in Library Science (one year course) or the Panjab University Bachelor of Library Science, Bachelor of Library & Information Science degree with at least 50 per cent marks in the aggregate of either of these;

or

- (ii) a diploma or degree of another University recognised by the Syndicate as equivalent to (i) with at least 50 per cent marks in the aggregate.

**3.2.** The examination for first semester shall be open to a regular student who is certified by the Chairperson of the Department of Library and Information Science :-

- (a) to possess good character;
- (b) to have been on the rolls of the University Department of Library and Information Science during one semester preceding the examination;
- (c) to have attended not less than 66 per cent of the lectures delivered to his class and to have completed the prescribed practical work in each paper during the semester preceding the examination. A deficiency in lectures, etc. up to 10 per cent, may be condoned by the Head of the Department.

**3.3.** The examination for second semester shall be open to a regular student of the University Department of Library and Information Science who has passed the first semester examination or is eligible under regulation 8 and is certified by the Head of the Department of Library and Information Science :-

- (a) to have been on the rolls of the University Department of Library Science during one semester preceding the examination.
- (b) to have attended at least 66 per cent of –
  - (1) the lectures delivered;
  - (2) tutorials and/or practical classes or seminars held;

separately in each paper of the subject during the semester preceding the examination in the Department of the University.

The Head/Chairperson of the Department will have the authority to condone to the maximum of 10% of the lectures delivered, tutorials and/or practical classes or seminars held, separately in each course, for reasons to be recorded in accordance with the rules contained in Chapter XV of the P.U. Calendar, Volume III, 2005 or any subsequent rules framed in substitution thereof.

**4.** If a candidate is unable to pass both the Semester examinations within two years of his admission to the course, he shall not be allowed to continue his studies nor will he be allowed to take the examination again.

**5.** Every candidate shall forward his application to the Controller of Examinations for admission to the examination on the prescribed form at least six weeks before the commencement of the examination accompanied by a fee as prescribed by the Syndicate from time to time, for each semester.

A candidate on reappearing shall pay admission fee per paper for each semester examination subject to a maximum fee as prescribed by the Syndicate from time to time for the examination concerned and the admission fee for reappear would be in addition to the admission fee charged for other semester examination, if any, in which he was appearing.

Whenever the application or fee of a candidate is received more than three days after the last date prescribed above, he shall pay an additional fee as prescribed by the Syndicate from time to time, provided that such application shall only be entertained up to four weeks before the commencement of the examination.

**6.** The examination shall be held in accordance with the syllabus approved by the Senate.

**7.** English shall be the medium of examination.

**8.1.** The minimum number of marks required to pass the examination shall be 50 per cent in (a) each theory paper, (b) each practical, and (c) dissertation.

**8.2.** A candidate who fails in the first semester examination but obtains pass marks in a subject or subjects shall be exempted from reappearing in such subject or subjects; he may be allowed to join the semester II class provisionally and to appear in both the semester examinations simultaneously in May of the following year, but if he does not pass in the remaining subject or subjects of the first Semester at the May examination, his result of the second Semester examination shall be cancelled.

**8.3.** A candidate who has failed in one or more theory papers or one or more practicals may be allowed to reappear at the supplementary examination of the same year in such paper(s) and practical(s) and if he obtains the pass marks in such paper(s) and Practical(s) he shall be deemed to have passed the examination.

**8.4.** Every candidate shall submit his dissertation at the time of his first examination and if he is successful, the marks obtained by him in dissertation shall be carried forward to the next examination.

**8.5.** A candidate who fails to secure minimum pass marks in Dissertation, shall be required to submit a fresh Dissertation on a subject to be assigned by the department and, for this purpose, shall attend the Department for supervision as required by the Head of the Department.

He shall pay the tuition fee for the whole semester till he gets through in this paper.



**8.6.** The marks obtained by the candidate in internal assessment shall remain valid and may be carried forward even if he does not appear or fails in the written examination.

**8.7.** If a candidate fails in the internal assessment, he may be given one opportunity to improve his internal assessment marks by doing extra work in the Department within three months of the declaration of his result, to the satisfaction of the teacher concerned, provided that the improvement will be only upto 50% marks.

**9.** Successful candidates who secure 60 per cent or more of the aggregate marks shall be placed in the first division, those who secure 50 per cent or more but less than 60 per cent of the aggregate number of marks shall be placed in the second division.

**10.** Four weeks after the termination of the examination or as soon thereafter as possible, the Controller of Examinations shall publish a list of candidates who have passed, showing the division in which they have passed.

**11.** Each successful candidate shall receive a diploma showing the division in which he has passed the examination for the degree of Master of Library and Information Science.

**12.** A candidate who has passed the Master of Library and Information Science examination from the Panjab University may re-appear as a private candidate in a course/courses he wishes to, with a view to improving his performance. For this purpose he may be given two chances, within a period of 5 years from the date of his passing the degree course. The candidate in the first instance shall be required to intimate all the courses in which he would like to improve his performance. He will then appear in the respective course/s at the main semester examination, i.e. for the course offered for first semester in the November/December examination and for the second semester in April/May examination. If he does not improve his performance in any course/s, he shall be eligible to do so in the following year in the semester examination concerned which would be treated as a second chance. The candidate shall be charged fee as decided by the Syndicate from time to time for each course, subject to the maximum admission fee prescribed for the semester concerned. Improvement will not however be allowed in dissertation/thesis/internal assessment.

#### **TRANSITORY REGULATION**

“A person who has passed the M.Lib. Science/M.Lib. & Information Science examination from this University obtaining less than 55% marks may be allowed to appear in the M.Lib. & Information Science Examination, as a private candidate for purposes of improving his previous performance. For this purpose he may be given two chances to improve his previous performance irrespective of the chances already availed of by him.

The candidate will take the examination under the current syllabi.

This concession will remain operative up to the examination of 1992.

Such candidates will be required to submit their previous detailed marks cards alongwith their admission forms.

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## **MASTER OF MASS COMMUNICATION (TWO YEAR COURSE)**

*(Effective from the session 1997-98).*

**1.1.** The duration of the course for the Master of Mass Communication (MMC) shall be two academic years.

**1.2.** This shall be a full-time course.

**1.3.** The examination for the (M.M.C). course shall be held in two parts, Part-I at the end of the course of first year and Part-II at the end of the second year.

**1.4.** The examination in Parts I and II shall be held annually ordinarily in the month of April on the dates fixed by the Syndicate from time to time.

**1.5.** The last date for receipt of examination admission form with and without late fee as fixed by the Syndicate shall be notified to the Chairperson of the Department of Mass Communication.

**1.6.** The date of examination as fixed by the Syndicate shall be notified by the Controller of Examinations to the Head of the Department of Mass Communication.

**2.1.** Admission to the course shall be made on the basis of an entrance test to be conducted by the University according to the rules framed by the Syndicate. The entrance test shall consist of a written test, group discussion and interview.

**2.2.** A candidate who :-

(a) is a graduate of Panjab University.

or

(b) possesses a qualification of another university recognised as equivalent to (a) shall be eligible to take the entrance test for the MMC course.

**3.** The examination in Part I shall be open to a student who :-

(i) has been on the rolls of the Department of Mass Communication MMC course during the Academic year preceding the examination;

(ii) produces the following certificates duly signed by the Chairperson/Head of the Department of Mass Communication :-

(a) of good character;

(b) of having attended not less than 66 percent of the lectures in each paper delivered to the class during the academic year preceding the examination;

(c) of having obtained at least 25 percent marks in internal assessment (marks to be awarded by the teachers on the basis of Internal Assessment tests/ practical assignments carried out by a student up to the end of March of the academic year).

**4.1.** A student who has passed the Part-I examination by securing 40 percent marks in each paper and 50 percent in the aggregate shall be eligible to join second year (Part-II) of the M.M.C. course.

**4.2.** A candidate who obtains 50 percent of the aggregate marks in Part I, but fails in one paper only, obtaining not less than 25 percent of the marks in that paper, shall be eligible for admission to the second year (Part II) class. However, such student shall have to clear the paper in which he/she had failed in the Part I examination.

**5.** The examination in Part II shall be open to a student who has passed the Part I examination as laid down in Regulation 4.1 or Bachelor of Mass Communication or is eligible under Regulation 4.2 and

- (i) has been on the rolls of the second year (Part II) class of MMC during the academic year preceding the examination;
- (ii) produces the following certificates duly signed by the Chairperson/Head of the Department of Mass Communication;
  - (a) of having attended not less than 66 percent of the lectures in each paper delivered to the class during the academic year preceding the examination;
  - (b) of having obtained at least 25 percent marks in Internal Assessment (marks to be awarded by the teachers on the basis of class tests/practical assignments carried out by a student up to the end of March of academic year).

**6.1.** The Chairperson/Head of the Department shall have the authority to condone upto a maximum of 10% of the lectures delivered, tutorials and/or practical classes or seminars held, separately in each course, in Parts I and II for reasons to be recorded.

**6.2.** A student who, having attended the prescribed number of lectures, but does not appear at the examination or having appeared at the examination, has failed, may be permitted at the examination, as a private candidate, within a period of three years after completing the part concerned of the course.

**7.** The amount of examination admission fee to be paid by a candidate shall be prescribed by the Syndicate from time to time.

**8.** The medium of examination shall be English/Hindi/Panjabi.

**9.** The examinations for Parts I and II shall be held according to syllabi and courses of reading prescribed by the Faculty.

**10.1.** The minimum marks required to pass the MMC Course examination shall be 40 percent in each paper and 50 percent in the aggregate of each of Parts I and II.

**10.2.** Successful candidates who obtain 60 percent of the marks or more in aggregate shall be placed in the first division and all others in the second division.

**10.3.** A candidate who obtains 50 percent of the aggregate marks in each of Parts I and II, but fails in one paper only, obtaining not less than 25 percent of the marks in the paper may, at his option, be admitted to a subsequent examination or examinations in that paper and if he passes in that paper, he shall be deemed to have passed the examination provided that such a candidate shall have to clear the compartment paper within three consecutive examinations from the date of his first failing in that paper.

**10.4.** Four weeks after the termination of the examination or as soon thereafter as possible, the Controller of Examinations shall publish the result of the Examination.

**10.5.** Each successful candidate shall be granted a degree stating the division in which he/she has passed.

**POST M.A. CERTIFICATES IN (i) ECONOMIC STATISTICS, (ii) INDUSTRIAL RELATIONS AND LABOUR WELFARE AND (iii) AGRICULTURAL ECONOMICS**

**1.1.** The examinations for Certificate in the following Post M.A. Courses may be held once a year ordinarily in the month of April on such dates as may be fixed by the Syndicate :

- (i) Economic Statistics;
- (ii) Industrial Relations and Labour Welfare; and
- (iii) Agricultural Economics.

**1.2.** The dates for commencement of the examinations and the last dates for receipt of admission form and fees (a) without late fee and (b) with late fee as fixed by Syndicate from time to time, shall be notified by the Controller of Examinations to the Head of the Department of Economics.

**2.** The examination shall be open to a person who :-

- (a) has passed one of the following examinations :-
  - (i) Certificate in Economic Statistics :
    - (a) M.A. Economics with Statistics as an optional paper;
    - (b) M.A. Mathematics, from the Panjab University, or an equivalent qualification recognised by the University;
  - (ii) Certificate in Industrial Relations and Labour Welfare :
    - (a) M.A. Economics examination of the Panjab University; or an equivalent examination recognised by the University;
    - (b) M.A. Economics examination of any other recognised University with Labour Problems as a subject.
  - (iii) Certificate in Agricultural Economics :-
    - (a) M.A. Economics examination of the Panjab University;
    - (b) M.A. Economics examination of any other University whose examination has been recognised as equivalent to the corresponding examination of this University, with Agricultural Economics as a subject.
- (b) has been on the rolls of the University Economics Department throughout the academic year preceding the examination; and
- (c) produces the following certificates signed by the Head of the University Economics Department :
  - (i) Of good character;
  - (ii) Of having attended not less than 66 per cent of the lectures in each paper delivered to the class.

A deficiency in the required number of lectures may be condoned up to 15 lectures by the Head of the Department and up to 25 lectures by the Dean of University Instruction.

**3.1.** A candidate who attends the required percentage of lectures for the course, but does not appear or having appeared, fails in the examination, may be allowed to appear in two subsequent examinations without attending a fresh course of lectures.

**3.2.** A candidate who fails in the examination for Certificate in Economic Statistics shall be allowed to carry forward the marks for Practical Record Books and Survey Reports, for two subsequent examinations.

**4.** The amount of admission fee for (i) Economic Statistics, (ii) Industrial Relations and Labour Welfare and (iii) Agricultural Economics shall be as prescribed by the Syndicate from time to time.

**5.1.** The medium of examination shall be English.

**5.2.** The examination shall be held according to the syllabus and courses of reading prescribed by the Senate.

**6.** The minimum number of marks required to pass the examination shall be 40 per cent in each paper and 45 per cent in the aggregate.

**7.1.** Successful candidates shall be classified into three divisions as under :

- (a) Those who obtain 60 per cent or more of the .. First Division  
aggregate marks
- (b) Those who obtain 50 per cent or more but below .. Second Division  
60 percent of the aggregate marks.
- (c) Those who obtain less than 50 per cent of the .. Third Division  
aggregate marks.

**7.2.** Four weeks after the termination of the examination, or as soon as possible, the Controller of Examinations shall publish the result of the examination.

**7.3.** Each successful candidate shall be granted a certificate showing the division in which he has passed together with the marks obtained by him and the aggregate marks.

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## POSTGRADUATE DIPLOMA IN GANDHIAN STUDIES

**1.1.** The duration of the course for Postgraduate Diploma in Gandhian Studies shall be one year.

**1.2.** The examination for Postgraduate Diploma in Gandhian Studies shall be held once a year ordinarily in the month of June on such dates as may be fixed by the Syndicate.

**1.3.** The date for commencement of the examination and the last date of receipt of admission form and fee (a) without late fee, and (b) with late fee as fixed by the Syndicate from time to time shall be notified by the Controller of Examinations to the Head of the University Department of Gandhian Studies and the Principal of the affiliated College.

**2.** The examination shall be open to any person who :-

- (a) is a graduate of this University or possesses an equivalent qualification recognised by the University;
- (b) has been on the rolls of the University Department of Gandhian Studies or a college affiliated for the course throughout the academic year preceding the examination;
- (c) produces the following Certificates signed by the Head of the University Department of Gandhian Studies/Principal of the affiliated college :
  - (a) of good character; and
  - (b) of having attended not less than 66 percent of the lectures in each paper delivered to the class.

A deficiency in the required number of lectures as laid down in Regulation 2 may be condoned as under :

- (a) up to 15 lectures by the Head of the University Department/Principal of the affiliated college.
- (b) up to 25 lectures by the Dean of University Instruction in the case of students of the University Department and the Vice-Chancellor in the case of students of affiliated colleges.

**3.** A candidate who attends the required percentages of the lectures but does not appear or having appeared, fails in the examination, may be allowed to appear in the examination as a private candidate within a period of three years after completing the course, without attending a fresh course of lectures.

**4.** The amount of admission fee to be paid by a candidate shall be as prescribed by the Syndicate from time to time.

**5.1.** The medium of examination shall be English, Hindi, Punjabi or Urdu.

**5.2.** The examination shall be held according to the Syllabus and courses of reading prescribed by the Senate.

**6.** The minimum number of marks required to pass the examination shall be 40 per cent in each paper.

- 7.1.** Successful candidates shall be classified into three divisions as under :-
- (a) Those who obtain 60 per cent or more of the aggregate marks; .. First Division
  - (b) Those who obtain 50 per cent or more but below 60 percent of the aggregate marks; .. Second Division
  - (c) Those who obtain less than 50 per cent of the aggregate marks. .. Third Division

**7.2.** Four weeks after the termination of the examination, or as soon as possible, the Controller of Examinations shall publish the results of the examination.

**7.3.** Each successful candidate shall be granted a Postgraduate Diploma showing the division in which he has passed together with the marks obtained by him and the aggregate marks.

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## **POSTGRADUATE DIPLOMA IN WOMEN'S STUDIES (TWO SEMESTER COURSES)**

1. The duration of Postgraduate Diploma in Women's Studies shall be one year divided into two semesters.

2. The first and second semesters shall consist of compulsory/optional papers as prescribed in the Rules/Syllabus.

3. A person who has passed one of the following examinations from this University or from any other University whose examination has been recognized as equivalent to the corresponding examination of this University shall be eligible to join the course :-

- (i) Bachelor's degree in any faculty with at least 50% marks in the aggregate;
- (ii) B.A. (Pass) with at least 45% marks in Women/Gender Studies or Public Administration or Political Science or History or Economics or Sociology or Psychology or Gandhian Studies or Geography or Philosophy.

4. The examination for First Semester and Second Semester for Postgraduate Diploma in Women's Studies shall ordinarily be held in the months of December, April or May on the dates fixed by the University.

5. The minimum number of marks required to pass the examination shall be 40% in each paper, including project work, field trips, seminars, workshops etc.

6. The First Semester examination shall be open to the student who :

- (i) has been on the rolls of the Department during one Semester preceding the First Semester examination;
- (ii) has attended not less than 66% of the total lectures, seminars field trips, projects, workshops, etc. in each paper.

7. The Second Semester examination shall be open to the student who :

- (i) has been on the rolls of the Centre during one Semester preceding the Second Semester examination.
- (ii) has attended not less than 66% of the total lectures, seminars field trips, projects, workshops, etc. in each paper.
- (iii) has passed the First Semester examination or has fulfilled the conditions of Regulation\_\_\_\_\_.

8. A candidate who fails in the First Semester but has secured at least 35% marks in the papers prescribed for that Semester shall be permitted to continue her/his studies in the Second Semester but she/he shall be required to re-appear in the next April/May examination in such paper/s in which she/he had failed in the December examination, simultaneously with the Second Semester examination. If she/he fails to pass the first Semester examination even after the second attempt, her/his result for the Second Semester examination shall be cancelled and she/he shall be required to leave the course.

A candidate who fails in the Second Semester examination but has secured at least 35% marks in the papers prescribed for that semester shall be allowed to reappear in such papers



she/he failed as a private candidate within one year after completing the course without re-admission.

**9.** Successful candidates shall be classified into three divisions as under :-

- (i) Those who obtain 60 per cent or more of the aggregate marks will receive a First Division.
- (ii) Those who obtain less than 60 per cent but not less than 50 per cent of the aggregate marks will receive a Second Division.
- (iii) Those who obtain less than 50% per cent of the aggregate marks will receive a Third Division.

**10.** A candidate who re-appears to clear the paper/s in which she/he has been declared to re-appear shall be awarded grace marks up to 1% of the total marks of the paper/s in which she/he re-appears if by such addition the candidate can pass in that paper/s, grace marks up to 1 per cent of the total marks of First Semester and Second Semester examinations shall be added to the aggregate of both first Semester and Second Semester examinations for the award of a higher class to a candidate, provided that no grace marks have already been given for passing the examination either in First Semester or in the Second Semester.

**11.** A candidate who re-appears in the examination for the purpose of improving the division may be given grace marks up to 1 per cent of the total marks as follows :

- (i) A candidate who re-appears in one Semester only will get 1 per cent of the marks in the paper in which she/he re-appears.
- (ii) A candidate who re-appears in both the Semesters will get 1 per cent of the marks in the papers of both the Semesters taken together.

Provided that no candidate shall be given more than the minimum that may be required for securing the higher division. As soon as possible after the termination of the examination, the Controller of Examinations shall publish a list of the candidates who have passed.

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### **MASTER OF SCIENCE (ANATOMY)**

**1.** The duration of the course leading to the Degree of Master of Science (Anatomy) shall two academic years. Each year shall be divided into two parts. The examination for Part I (2nd Semester) and Part II (4th Semester) shall ordinarily be held in the month of May/June.

**2.** The last date for receipt of admission form and fee with and without late fee as fixed by the Syndicate shall be notified by the Controller of Examinations.

**3.** The supplementary examination shall be held in the month of November/December.

**4.** The examination for Part I shall be open to a candidate who produces the following certificate signed by the Head of the Department –

Of having attended not less than –

(a) 80 per cent of the full course of lectures delivered to this class in each of the prescribed papers (the course to be counted up to one month before the date of commencement of the examination); and

(b) 80 per cent of the periods assigned to each practical prescribed in the syllabus.

**5.** The medium of the examination shall be English and the examination shall be held according to the syllabus as approved by the Faculty concerned.

**6.** The internal assessment shall be 10 per cent of the total marks and out of which 50 per cent will be counted towards practical and 50 per cent towards theory in both Part I and Part II examinations.

**7.1.** One or more research papers published by the candidate in a Journal of repute may also be submitted in lieu of thesis.

A candidate who has already submitted and passed in the thesis submitted for M.Sc./Ph.D. Anthropology/Zoology/Human Biology may be exempted for submitting a fresh thesis.

**7.2.** The thesis/published paper(s) will be evaluated as accepted or rejected. No marks will be awarded for it.

**8.** The minimum pass marks will be 50 per cent in Part I and 50 per cent in Part II. In addition, thesis/published paper(s) should also have been accepted for passing Part II examination.

**9.** A candidate who has failed in Part II of the examination is not required to submit the thesis again.

**10.** A candidate who fails in the examination (Part I or Part II) after having completed the prescribed course, or fails to appear in the examination, shall have to attend the prescribed course again in the University before he is allowed to appear in the supplementary examination. He will not be allowed to appear as a private candidate. If a candidate for Part I examination does not pass within three years of his admission to the course, he will not be allowed to continue his studies for the M.Sc. examination in Anatomy.

**11.** The Controller of Examinations shall publish the result as soon as possible after the examination.

**12.** Successful candidates shall be classified as under –

(a) Those who obtain 75 per cent or more of the aggregate number of marks in Part I and Part II examination together : First Division with Honours

- (b) Those who obtain 60 per cent or more but less than 75% of the aggregate number of marks : First Division
- (c) Those who obtain 50% or more but less than 60% of the aggregate : Second Division

**13.** The examination for Part I shall be open to any student who produces the following certificates signed by the Head of the Department –

- (a) of having passed B.Sc. (Anatomy, Physiology and Biochemistry) with at least 50% marks from a recognized University (or any other examination recognized by the University as equivalent thereto) or of having passed the M.Sc. examination in Physical Anthropology/Zoology/Human Biology with at least 50% marks from a recognized University.
  - (b) of having attended not less than (a) 80 per cent of the full course of lectures delivered to his class in each of the prescribed papers (the course to be counted up to one month before the date of commencement of the examination); and (b) 80 per cent of the periods assigned to each practical prescribed in the syllabus.
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## **POSTGRADUATE DIPLOMA IN REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM**

**1.1.** The duration of the course for Postgraduate Diploma Course in Remote sensing and Geographic Information Systems shall be of two semester/one academics year.

**1.2** The eligibility for admission to the course shall be as follows –

- (a) Master's degrees in Geography or Master's degree in allied subjects ( to be decided by the Board of Studies) or Bachelor of Engineering degree in any field (to be decided by the Board of Studies) of the Panjab University with at least 50 per cent marks.
- (b) Working knowledge of Computer.
- (c) An examination of another University recognized by the Syndicate as equivalent to (a) above.

**2.1.** A candidate shall be eligible for appearing in the examination if he/she has attended at least 75 per cent of the lectures delivered to the class in theory, practical and project work separately.

**2.2.** A deficiency in the required number of lectures may be condoned as given below –

- (a) up to 10% by the Board of Control in Geography;
- (b) up to 15% by the Dean of University Instruction on the recommendation of the Board of Control in Geography.

**2.3.** The tuition fee, examination fee and other charges to be paid by the candidates of different categories shall be prescribed by the Syndicate from time to time.

**2.4.** The medium of examination shall be English.

**3.1.** The Examination shall be held in accordance with the prescribed syllabus.

**3.2.** The minimum marks required to pass the examination shall be 45% in every (i) theory paper, (ii) practicals and (iii) project report and 50% in aggregate.

**3.3.** The examination for the first semester shall be held ordinarily in November/December and for the Second Semester in May/June next year. The work on the project report will run concurrently during the two semesters.

**3.4.** A candidate who fails in a particular semester shall be allowed to reappear in the subsequent semester, with a maximum of two consecutive chances for each semester.

**3.5.** A candidate who fails in one or more theory and/or practicals shall be allowed to reappear in the subsequent two consecutive examination/s in the respective theory and/or practicals.

**4.1.** Each candidate shall submit four copies of the project report on an approved topic. The report is to be submitted on or before 30<sup>th</sup> June or the last day of the academic session in reference. An extension up to a maximum of three months may be granted.

**4.2.** As a part of practical training and project report, participation in at least one educational tour to centres of repute in Remote Sensing and Geographic Information "Systems such as IIRS Survey of India, Wadia Institute of Himalayan Geology and Forest Research Institute, all at Dehradun; NRSA, Hyderabad; SAC Ahmedabad and ISRO, Bangalore shall be mandatory for every student. This tour shall have duration of at least one week. All decisions related to the tour shall rest with the Chairperson of the Department.

**4.3.** The project report is required to be sent to an external examiner, who shall be from beyond the jurisdiction of Panjab University and a non-resident of Chandigarh, for evaluation in terms of numerical marks. The examiner as mentioned above, shall be appointed by the Board of Control in consultation with the Supervisor. The marks awarded by the examiner shall be moderated and finalized after a comprehensive viva voce to be conducted by the external examiner internal examiner and the Chairperson.

**4.4.** A candidate who fails to score minimum pass marks in the project report shall be required to resubmit project report on a fresh topic to be assigned by the Board of Control in consultation with the concerned Supervisor. The candidate shall pay the tuition fee for the whole period till he gets through in the project report.

**5.1.** Successful candidates, who score 70% and more of the aggregate marks shall be placed in 'merit grade' and their position in order of merit as also the percentage of marks obtained by them shall be mentioned in the Diploma; those who score 60% or more but less than 70% of the aggregate marks shall be placed in 'very good grade' which shall be mentioned in the Diploma together with the percentage of marks obtained by the candidate; and those who score 50% or more but less than 60% of the aggregate marks shall be placed in 'good grade' which shall be mentioned in Diploma together with the percentage of marks obtained by the candidate. The title of the project report completed shall also be listed in the diploma.

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**MASTER OF PHILOSOPHY IN THE FACULTIES OF ARTS, LANGUAGES,  
EDUCATION, SCIENCE, DESIGN & FINE ARTS AND  
BUSINESS MANAGEMENT & COMMERCE**  
*(effective from the admissions of 1989)*

**1.** A candidate for the degree of Master of Philosophy in the Faculties of Arts, Languages, Education, Science, Design & Fine Arts and Business Management & Commerce should have passed the master examination from the Panjab University or any examination which has been recognised as equivalent thereto, by this University in the first or second division (50% marks in the subject concerned). For M.Phil. in Gandhian Studies, Master's degree in the subjects will be determined by the Board of Control (with the approval of the Dean of University Instruction). For M.Phil. in Guru Granth Sahib Studies, the candidate should have obtained a Master's degree in any Faculty with at least 50% marks in the aggregate from the Panjab University or from any other University examination of which has been recognized as equivalent to the corresponding examination of this University. For M.Phil. in Sociology, a candidate should have obtained Master's degree in the subject of Sociology or Anthropology (Social Anthropology) with 50% marks.

**2.1.** The minimum duration of the course shall be two semesters/one academic year. If, however, a candidate who has passed the first semester examination is unable to complete his course within one year, he shall be permitted to complete it within a period of two years of his admission to the course.

**2.2.** A candidate supplicating for M.Phil. shall pursue courses of study and research in a Post-graduate Department at Panjab University, Chandigarh/Post-graduate Department of its Regional Centre if any. He may be allowed by the Board of Control to do field work or research at an approved centre of research outside Chandigarh, for a period ordinarily not exceeding three months, out of the minimum prescribed period of one academic year.

**2.3.** Except in the case of Mathematics, Statistics, Music (Vocal) and Music (Instrumental) where the Board of Control may base their M.Phil. programme of study wholly on course work, in other subjects the M.Phil. course may consist of dissertation plus prescribed courses as determined, by the Board of Control concerned. The total credits for the M.Phil. programme of study shall be 24. The disciplines where there is a requirement both for dissertation and courses at least 25 per cent shall be allocated to the dissertation/course work each. The Board of Control shall prescribe the courses and specify the methods of study/research subject to the approval of Joint Research Board. The setting of question papers and evaluation in regard to the courses taken by the candidates shall be done in the first instance by the teachers concerned. However, the Board of Examiners, consisting of one external examiner, Chairman/Head of the Department and three members of the Faculty nominated by the Vice-Chancellor shall finalise the question papers and evaluation. Where the Vice-Chancellor considers necessary, he may nominate more external/internal examiners on the Board of Examiners.

**3.1.** A person who wishes to be enrolled as a candidate for M.Phil. programme of study, shall apply to the Department concerned by the date notified by the University, on the prescribed form.

**3.2.** A candidate for the M.Phil. course shall pay a tuition fee per month for one academic year as prescribed by the Syndicate from time to time. Candidates who are granted extensions will not be required to pay any tuition fee.

**3.3.** On being enrolled, a person who holds a Scholarship/Fellowship of Panjab University or University Grants Commission or any other organisation approved by the Syndicate, specifically meant for the M.Phil. programme of study, shall be exempted from payment of monthly tuition fee.

**4.** A candidate may apply to the Board of Control through the supervisor for permission to modify the title of his dissertation within a period of two months from the date of its approval. The modified title of the dissertation shall be subject to the approval of the Joint Research Board.

**5.** A candidate who is unable to complete his dissertation within two semesters/one academic year, may apply through the supervisor concerned for grant of extension. Such extension may be granted by the Joint Research Board on the recommendation of the Board of Control up to a maximum of one year but it shall not be necessary for the candidate to spend the period of extension in the Department.

Provided that every application for grant of extension shall be accompanied by a fee as prescribed by the Syndicate from time to time.

**6.1.** On completion of the dissertation, the candidate shall submit three printed/type written copies of his dissertation alongwith the summary and a fee as prescribed by the Syndicate from time to time.

**6.2.** The amount of examination admission fee to be paid by a candidate shall be as prescribed by the Syndicate from time to time, for a semester in which theory papers are offered.

**7.** A candidate shall be permitted to submit his dissertation for the M.Phil. degree if his Supervisor certifies that the dissertation presented is worthy of consideration for the award of M.Phil. degree. If a candidate fails to qualify in the prescribed courses but obtains 45% pass marks in the dissertation, the marks obtained in the dissertation shall be carried forward, if the candidate so desires, without fresh assessment of the dissertation.

**8.** A candidate may incorporate in his dissertation the contents of any work which may have been published by him on the subject and shall inform the supervisor, if he has done so and also state the fact in the preface of the dissertation. But he shall not submit his dissertation or any work for which a degree has already been conferred on him or any other person by this or any other University.

**9.** A candidate for the M.Phil.degree shall be free to publish his dissertation after the declaration of the result as successful.

**10.** The minimum number of marks required to pass the examination shall be :-

- (a) 45 per cent in each course/dissertation.
- (b) 50 per cent in the aggregate.

**11.** Successful candidates shall be classified as under :-

- (a) Those who obtain 70% or more of the aggregate number of marks. .. First Division with Distinction
- (b) Those who obtain 60% or more of the aggregate number of marks but less than 70%. .. First Division

- (c) Those who obtain less than 60% of the .. Second Division aggregate number of marks.

**12.** A candidate who has failed in the examination or having completed the courses has failed to appear in the examination, may be allowed to appear at the next semester examination without attending a fresh course of lectures. For this purpose, he may be given two consecutive chances.

Provided that he cleared the course/courses in two consecutive chances immediately following the examination in which he had failed to appear in examination or had failed in the examination or was placed in re-appear.

**13.** Subject to the provisions of these Regulations, the Controller of Examinations shall publish the result on its receipt from the Chairman/Head of the Department.

**14.** A candidate who has been awarded M.Phil. degree or an M.Phil. candidate who has been found suitable for enrolment for Ph.D. degree by the Board of Control, may be allowed exemption upto a period of one year by the Joint Research Board, this period thus being counted towards the minimum period for Ph.D. research. Such candidates will also be eligible for proportionate exemption in regard to the minimum residence of 3/36 weeks as provided in Ph.D. Regulations.

#### **M.PHIL. IN WOMEN'S STUDIES**

**1.** The duration of M.Phil. in Women's studies shall be eighteen months divided into Three Semesters.

**2.** The requirements for the first two semesters shall be the same as those for Postgraduate Diploma course.

**3.** In the Third Semester, the student will have to write and present a Dissertation worth two hundred marks within a period of six months after completion of the course work.

**4.** A candidate who has obtained a Master's Degree in any Faculty with at least 50% marks from this University or from any other University, whose examination has been recognized as equivalent to the corresponding examination of this University, shall be eligible to apply for admission.

**5.** The students admitted to Postgraduate Diploma in Women's Studies may opt for the Degree of Master of Philosophy in Women's studies provided they have obtained a Master's degree in any faculty with at least 50% marks from this University or from any other University whose examination has been recognized as equivalent to the corresponding examination of this University.

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**PH.D. DEGREE IN THE FACULTIES OF ARTS, LANGUAGES,  
EDUCATION, SCIENCE AND DESIGN & FINE ARTS**

**1.1. (a)** A candidate for the degree of Doctor of Philosophy in the Arts, Languages, Education, Science and Design & Fine Arts Faculties should have obtained from the University the Master's degree ordinarily in the first or second class.

Provided that –

1. In the case of Ph.D. in Education, the Master's degree shall mean Master's degree in Education (M.Ed.);
2. In the case of Ph.D. in Library Science, the Master's degree shall mean Master's degree in Library Science (M.Lib.Sc.);
3. In the case of Ph.D. in Physical Education, the Master's degree shall mean Master's degree in Physical Education; and
4. The Academic Council may approve any other degree of a University equivalent to the Master's degree.

**(b)** A candidate for the degree of Doctor of Philosophy in Women Studies should have obtained from the University the Master's degree in the first and second class in any Faculty.

**1.2.** The following Categories of candidates who may have obtained from another University a Master's degree, ordinarily in the first (atleast 60 per cent marks) or second class (atleast 50 per cent marks) and approved by the Academic Council may also be considered for enrolment :

- (a) Members of the teaching staff in -
  - (i) a teaching Department of the University and Post-Graduate Departments of a Regional Centre of this University;or
  - (ii) a college affiliated to this University.
- \***(b)** Teachers/Headmasters/Principals working in recognised High/Higher Secondary Schools falling within the jurisdiction of this University;
- (c) Research students enrolled in a Teaching Department of the University Home Science College concerned;
- (d) Persons pursuing research at Chandigarh under the supervision of a Teaching Department of the University or Post-graduate Department of a Regional Centre of the University.

**1.3.** A candidate who has obtained the Master's degree in third class may be enrolled for the Ph.D. degree with special permission of the Joint Research Board on the recommendation of the Research Degree Committee which shall give reasons for this recommendation.

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\*This will not apply to persons enrolled for Ph.D. in Home Science.

**2.1.** A candidate for Ph.D. in a Science subject shall pursue research at –

(i) A Teaching Department of the Panjab University or a Post-graduate Department of the Regional Centres of the Panjab University;

or

(ii) an approved centre under the supervision of a Teaching Department of the University in case of a candidate of category (c) of Regulation 1.2.

or

(iii) A Laboratory or an Institution approved by the Joint Research Board provided that the applicant has passed his M.A./M.Sc. or M.Phil. from the University;

or

(iv) A Postgraduate Department of a Home Science College, affiliated to the University.

**2.2.** A candidate enrolled in a subject not covered by Regulation 2.1 shall pursue research at the University or at a Centre approved by the Joint Research Board for Ph.D. research for at least 30 weeks. If necessary, the period of work at the University or an approved Centre, may be staggered over three years, provided that at least 12 weeks must be so spent every year. If the period of stay is staggered, the Dean of University Instruction may condone the shortage in the required period of 36 weeks up to a maximum of 6 weeks, but this permission shall be granted only in exceptional cases, if recommended by the Supervisor and the Head of the Department.

**3.1.** A person who wishes to be accepted as a candidate for Ph.D. research, shall, before starting research work, apply through the Head of the University Department concerned/ Principal, Home Science College, concerned on the prescribed form of enrolment with a fee as prescribed by the Syndicate from time to time, which shall not be refundable except when a candidate was found ineligible for enrolment in which case the fee may be refunded after deducting 25 per cent of it.

Provided that –

(i) before enrolment, a candidate should have passed the entrance test for Ph.D. conducted by the University within the time prescribed by the University, in order to satisfy that the candidate has the necessary aptitude for research, with exemptions as decided by the Syndicate from time to time.

(ii) the Synopsis of the thesis will be presented by the candidate in the concerned department before the Research Degree Committee members in the presence of the proposed Supervisor(s). The presentation will be open to the faculty members and research students of the department. After presentation of the synopsis by the candidate, the Research Degree Committee shall decide the matter.

**3.2.** Application on the prescribed form for enrolment shall be considered by the University thrice in a year as under :

(a) From July 15 to July 31

- (b) From November 15 to November 30, and
- (c) From March 15 to March 31.

**3.3.** A person who holds a Panjab University or a University Grants Commission scholarship or of any other such body shall, on being enrolled, be exempted from payment of monthly fee. Other persons, on enrolment, shall pay a fee per mensem as prescribed by the Syndicate from time to time, to the University provided that exemption may be allowed in accordance with the Rules, as may be framed by Syndicate.

**3.4.** Within one year of the date of enrolment, the candidate shall apply through the Chairman/Head of the University Department concerned/Principal, Home Science College for registration. Extension up to six months may be granted by the Dean of University Instruction on the recommendation of the Chairman/Head of the University Department concerned/Principal, Home Science College concerned. The application for registration will contain –

- (a) a tentative title of thesis or broad area of work; and
- (b) a tentative design of research project (synopsis).

If a candidate fails to submit the registration form, including tentative title of the thesis and synopsis, within the prescribed period of one and a half years, the Chairperson/Head of the Department/Principal of Home Science College, may give specific reasons for consideration of the Joint Research Board which may grant six months second extension beyond one and a half years (normal period of one year plus six months' extension) in the submission of registration form, tentative title of the thesis and synopsis, on payment of fee prescribed by the Syndicate/Senate from time to time.

**3.5.** (a) A candidate would be required to submit the registration form, tentative title of the thesis and synopsis to the Chairperson of the Department concerned, who, in turn, would forward the same to the University Office within a week of its receipt.

(b) In case a candidate does not submit the registration form, tentative title of the thesis and synopsis to the Chairperson of the Department within a period of two years, his/her enrolment be treated as cancelled automatically. No separate intimation would be sent to the candidate.

**4.1.** Before forwarding the application required in Regulation 3.4, Head of the Department Principal Home Science College will satisfy himself after proper scrutiny and test, including viva voce, that the candidate has adequate competence for work in his field of study. The Head of the Department/Principal, Home Science College shall satisfy himself that the subject offered is one which can be pursued with profit.

**4.2.** While forwarding the application, Head of the Department/Principal, Home Science College shall also recommend a suitable supervisor to guide the applicant in his research work. He may, if he considers necessary, recommend joint supervisors.

**4.3.** Joint Supervisors may be appointed, on the request of the candidate and the Supervisor, from the Teaching Departments and Postgraduate Regional Centres of the Universities recognized by the U.G.C. and also from the national/autonomous institutions, national/autonomous organizations and national/autonomous laboratories to be certified by the Chairperson of the

concerned Department, provided they fulfil the following conditions :-

- (a) hold the degree of Ph.D. with published research work, such as books, articles or research papers in refereed research journals; and
- (b) evidence of having been engaged in research after Ph.D.

No fee shall be charged from the concerned institutions, etc. for the above purpose.

**5.1.** (a) All applications for registration as well as approval of the title, etc. (Reg. 3.4) after scrutiny by the Registrar's Office, shall be forwarded for/consideration of Research Degree Committee concerned which, in each subject except Home Science shall consist of :-

- (i) Dean of Faculty;
- (ii) Head of the University Department in the subject concerned and the Professor or Professors if any;
- (iii) Convener of Board of Studies in the subject concerned;
- (iv) Two Readers in the subject concerned by rotation according to seniority to be nominated by the Vice-Chancellor;
- (v) Two Lecturers in the subject concerned by rotation according to seniority to be nominated by the Vice-Chancellor;
- (vi) A Professor of an allied subject appointed by the Vice-Chancellor.

Provided that the Members under (ii). (iii) (iv), (v) and (vi) shall possess Ph.D. Degree in the concerned subject or have experience of guiding research at the doctoral level.

(b) All applications for registration as well as approval of the title, etc. (Reg. 3.4) after scrutiny by the Registrar's Office, shall be forwarded for consideration of Research Degree Committee in Home Science which shall consist of :-

- (i) Dean of Faculty;
- (ii) Principal, Home Science College;
- (iii) Convenor of Board of Studies in Home Science;
- (iv) Two Readers from allied Departments of this University or of another University to be nominated by the Vice-Chancellor from a panel recommended jointly by the Principal Home Science College concerned and the Dean of University Instruction;
- (v) Two Lecturers in the subject of Home Science by rotation according to seniority to be nominated by the Vice-Chancellor;
- (vi) A Professor of an allied subject appointed by the Vice-Chancellor.

Provided that the Members under (iv), (v) and (vi) shall possess Ph.D. Degree in the concerned/or related subject or have experience of guiding research at the doctoral level.

However, in exceptional cases, the Vice-Chancellor/Syndicate may waive this condition for reasons to be recorded.

**5.2.** Every Research Degree Committee shall be appointed in December in alternate year and its members shall hold office from January 1.

**6.** The Research Degree Committee shall consider such application and recommend whether, in their opinion-

- (a) the subject proposed for research; and
- (b) the supervisor/s recommended;

are suitable and, if so, they may recommend approval of the same. If, however, the committee considers that the subject and/or the supervisor are not suitable they may either reject the application or may suggest suitable changes for reasons to be recorded.

**7.1.** The title of thesis and the supervisor recommended by Research Degree Committee shall be considered by the Joint Research Board which shall consist of-

- (i) Dean of University Instruction as an ex-officio Chairman;
- (ii) Deans of the Faculties of Arts, Languages, Science, Education and Design & Fine Arts;
- (iii) \*Heads of University Teaching Departments in Arts, Languages, Science, Education and Design & Fine Arts Faculties, which have facilities for M.A. teaching and/or Ph.D. research; and
- (iv) Heads of such other Departments as are approved by the Academic Council for this purpose; and
- (v) Five senior faculty members of the Departments in the Faculties of Arts, Languages, Education Science and Design & Fine Art and Home Science College/s to be nominated by the Vice-Chancellor.
- (vi) Principal Home Science College/s.

Provided that the members under this clause shall be nominated in December of every alternate year and shall hold office from January 1.

The Joint Research Board shall have power to co-opt any other expert for a particular meeting. The decision of this Board shall be final.

**7.2.** The Joint Research Board will decide whether or not the applicant be registered.

**8.1.** Every candidate shall pursue his research work for three years from the date of his enrolment. Thereafter, he shall submit the thesis at the expiry of three years.

**8.2.** The Joint Research Board may, on the recommendation of the Research Degree Committee, for reasons to be recorded, grant exemption for a period not exceeding one year.

**9.** A candidate may apply to the Joint Research Board through the Head of the Department/Principal Home Science College concerned and Research Degree Committee for permission to modify the title of his thesis.

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\*In addition to the Head of the Panjab University Sanskrit Department, Director, Professor, V.V.B.I.S. & I.S., Hoshiarpur, shall also be a member of Joint Research Board.

**10.** The Head of the University Department/Principal Home Science College, in association with the Supervisor concerned shall test every candidate, on the expiry of one year from the date of enrolment, in order to determine whether the candidate should be allowed to continue his research work. If a candidate is found unfit, his enrolment shall be cancelled.

**11.1.** Every candidate shall report in writing, at the end of every six months, to the Supervisor the work done by him during the six months. The Supervisor will take such action on his report as he considers suitable depending on the nature of the report and other circumstances of the case.

The progress report from the date of enrolment, duly signed by at least one of the Supervisor(s)/proposed Supervisor(s)/Joint Supervisor(s), as the case may be, shall be submitted by the candidate to the Chairperson of the Department concerned and the same shall be placed before the Academic Committee of the Department. A copy of the proceedings of the Academic Committee be sent to the University Office for record. The Chairperson of the Department shall ensure that the progress reports are submitted regularly. In case of non-receipt of two consecutive progress report, the matter to be placed before the Academic Committee for consideration and recommendation to the Joint Research Board for cancellation of enrolment and registration of the candidate.

**11.2.** Every supervisor shall submit report on the candidate's research work twice a year, viz. –

- (a) Between October 16 and 31,
- (b) Between April 16 and 30.

Reports of supervisors in all cases shall be submitted through the Head of the Department/Principal, Home Science College to the Joint Research Board for information and any action that the Board may consider necessary.

**11.3.** In the event of a difference arising between a candidate and the Supervisor, the matter shall, in the first instance, be referred to the Head of the Department/Principal, Home Science College. If, however, the Head of the Department/Principal, Home Science College, is unable to settle it, the matter shall be referred to the Dean of University Instruction. If the supervisor happens to be the Head of a Department/Principal, Home Science College, the matter shall be referred to the Dean of University Instruction directly.

When the matter is referred to the Dean of University Instruction, he will take a decision himself, after obtaining, if necessary, the advice of an expert. The decision of the Dean of University Instruction shall be final.

**11.4.** If a supervisor gives unsatisfactory report on the work of a candidate, the position will be considered by the Joint Research Board in order to decide whether the candidate should be allowed to continue his research for the Ph.D. degree.

**12.** After the expiry of one year's research work at the University/Home Science College, a candidate may be allowed by the Head of the Department/Principal, Home Science College to continue his research work at some other approved centre-

- (a) facilities for further work do not exist at the University/Home Science College.

or

- (b) the Head of the Department/Principal, Home Science College is satisfied that it would be in the interest of the candidate to do further research work at such a centre.

Provided that the supervisor may, on scrutiny of the six-monthly reports received from the candidate send for the candidate to assess the progress made by him in his research.

**13.1.** A candidate who is unable to complete research work and thesis within the time allowed by these Regulations may apply through his Supervisor and Head of the Department concerned for grant of extension.

Extension may be granted by the Joint Research Board up to a maximum of two years, i.e. every candidate must submit his thesis on the expiry of a total period of five years from the date of enrolment of application.

Provided that –

- (i) extension shall not be granted for more than a year at a time;
- (ii) every application for grant of extension shall be accompanied by a fee prescribed by the Syndicate/Senate from time to time.

If the thesis is received after the prescribed period of five years, the delay may be condoned by the authorities named below :-

- (i) Up to 3 months – Dean of University Instruction.
- (ii) Up to one year – Joint Research Board.
- (iii) Beyond one year up to three years – Vice-Chancellor on the recommendation of the Joint Research Board, under special and exceptional circumstances to be recorded.

A fee of Rs. 2000 per year or an amount to be decided by the Syndicate/Senate from time to time, shall be charged for condonation of delay in the submission of Ph.D. thesis after expiry of the period of five years from the date of enrolment.

Provided that the maximum time limit for submission of Ph.D. thesis would be eight years from the date of enrolment, i.e. normal period : three years, extension period: two years and condonation period three years, after which enrolment and registration of the candidate shall be treated as cancelled automatically.

**13.2.** If a candidate fails to submit his thesis within the period allowed under Regulation 13.1, his enrolment shall be cancelled but he may be allowed to register himself again with some other subject, or in exceptional circumstances such as prolonged illness extending over several years or exigencies of military service, on the same subject.

**14.** If the supervisor of a candidate who has been doing research work for the Ph.D. degree of another University is employed on the staff of the Panjab University/Home Science College the candidate doing research work under his supervision may be allowed to enrol himself as a candidate for the Ph.D. degree of this University under the same supervisor, subject to fulfillment of these Regulations. Such a candidate shall not submit his thesis until after one year of enrolment in this University.

15. On completion of the research work and in accordance with the period allowed in Regulations 8 and 13 the candidate shall submit four printed or typewritten copies of his thesis and shall comply with the following conditions :

The thesis shall accompany –

- (a) a fee as prescribed by the Syndicate from time to time;
- (b) a certificate from his supervisor (as may be prescribed by the Syndicate) indicating the period for which the candidate has done research work and that the thesis is worthy of consideration for the award of the Ph.D degree; and
- (c)
  - (i) In the case of a candidate for Faculty of Science the need for the knowledge of foreign languages, as partial requirement for Ph.D thesis shall be determined by the Board of Control of the Department concerned/Board of Studies in Home Science;
  - (ii) The thesis must be a piece of original research work characterised either by the discovery of new facts or for a fresh interpretation of the known facts or theories; in either case it shall give evidence of the candidate's capacity for original research, critical examination and judgement;
  - (iii) The thesis shall be satisfactory in its literary presentation;
  - (iv) The thesis shall indicate how it embodies the results of the candidate's own research or observations and the respects in which the candidate's investigations appear to him to have advanced study the subject;

Provided that :

- (a) A candidate may incorporate in his thesis contents of any work which he may have published on the subject, but he shall not submit, as his thesis, any work for which a degree has been conferred by this or any other University.
- (b) Edited texts of Calendars of unpublished manuscripts, critical editions from original manuscripts of old texts, records or documents of Catalogues Reason of collections of Art when accompanied by adequate introductions and critical apparatus, shall be given the same recognition as original dissertation Arts or Science subjects and for the award of the Doctorate degree it shall be regarded as equally worth consideration.
- (c) The candidate shall declare in writing, duly countersigned by his Supervisor and Head of the Department/Principal, Home Science College, that the thesis is not substantially the same as the one he may have already submitted to another University.
- (d) The thesis shall consist substantially of the candidate's own work under scoring his individual contribution. The candidate may, however, submit in support of his thesis any printed contribution for the advancement of his subject which may be published, independently or conjointly. In the latter case, the candidate shall indicate specifically his personal contribution to the conjoint work duly attested by the supervisor.



**16.** Every candidate shall give an undertaking that he will not \* publish his thesis without the previous permission of the Syndicate. If this permission is granted, the candidate shall supply to the Controller of Examinations three copies of published thesis; one copy to be placed in the University Department concerned/Home Science College condoned and two copies in the University Library. The candidate will also furnish the University with copies of reviews of his publication which, along with the book, shall be brought to the notice of the Syndicate.

**17.1.** The thesis shall be referred to two examiners appointed by the Vice-Chancellor on the recommendations of the Chairperson of the Joint Research Board out of a panel suggested by the Head of the Department/Chairperson of the University Teaching Department and the supervisor of the candidate. The examiners may recommend –

that the thesis be accepted for the award of the Ph.D degree

*or*

that the thesis be rejected

*or*

that the thesis be allowed to be resubmitted with improvement and for this purpose may make such suggestions as they may deem fit. Provided that the candidate shall ordinarily resubmit the revised thesis within one year of the date of supply of comments of the Examiner to him by the University. Special extension may be given by the Dean of University Instruction up to a maximum of one year. The delay in the re-submission of revised thesis after the expiry of special extension period, be condoned up to a maximum of one year by the Joint Research Board.

**17.2.** A thesis shall be resubmitted, if so recommended by the examiners, only once, and it shall be examined by the examiners who assessed the original thesis unless both or any of them are unable or unwilling to do so.

**17.3.** A candidate who is required to resubmit his thesis must do so accompanied by half the amount of fee prescribed in regulation 15.

**17.4.** In case there is a difference of opinion between the two examiners in regard to the acceptance of thesis, the Vice-Chancellor may refer the thesis to another examiner who shall ordinarily be out of the approved panel.

**17.5.** The examiners for a thesis in the Arts, Languages and Design & Fine Arts Faculties shall indicate in their report whether :

the thesis is fit for publication by the candidate in its original or modified form. In the latter case, they may make definite suggestions for improvement.

*or*

the thesis of such an outstanding merit that the University should undertake its publication at its own cost.

**17.6.** Except in the case of a thesis, which is rejected, viva-voce shall be held in accordance with the rules prescribed in this behalf by the Syndicate, before a final decision is given on the thesis. The examiners may send, if they so desire, along with their reports, questions for use by the Board

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\*Permission is not necessary, if only parts of the thesis are to be published in scholarly Journals.

Conducting the oral examination. Such a Board shall consist of three, examiners appointed by the Vice-Chancellor of which the Head of the University Department concerned/Principal, Home Science College concerned and the supervisor of the thesis shall be members. If two out of three members of the Board are present, the viva-voce will be conducted provided that one of them is the external examiner.

**17.7.** A candidate whose thesis is rejected shall not be registered again for the Ph.D. degree with the same subject.

**18.** The reports of both the examiners on the thesis as well as of the other examiners for the viva-voce shall be considered by the Syndicate. The syndicate may decide -

(i) whether the degree of Doctor of Philosophy be awarded;

or

(ii) whether the candidate be required to revise the thesis and resubmit it for re-examination;

or

(iii) whether the thesis be rejected.

**19.** The Controller of Examinations shall notify the result in accordance with the decision of the Syndicate.

**20.** A person already registered for the Ph.D. degree, before these regulations come into force, shall, if he so desires continue to be governed by the regulations, which were in force at the time of registration. The thesis will be entertained under old regulations only if this option has been exercised earlier.

### **TRANSITORY REGULATIONS**

The students enrolled for Ph.D. before 14-12-03 will be governed by the old Regulations.

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## **DOCTOR OF LITERATURE**

**1.** Every candidate for the degree of Doctor of Literature shall have passed not less than six years previously the examination for the Master's degree –

(i) of the Panjab University;

or

(ii) subject to the sanction of the Academic Council of any other recognised University, provided he is a whole-time permanent teacher of the Panjab University or an affiliated college;

or

(iii) Ph.D degree of the Panjab University, or subject to the sanction of the Academic Council, the Ph.D or D.Litt. degree of another University, provided that he has obtained this degree not less than three years earlier.

**2.1.** Every candidate for the degree must have, to the satisfaction of the Vice-Chancellor, already made substantial published contributions to knowledge in humanities or social sciences.

**2.2.** If permitted by the Vice-Chancellor, the candidate shall submit four copies of his/her published work containing original and substantial contributions to some branch of knowledge in humanities or social sciences accompanied by a fee as prescribed by the Syndicate from time to time.

**3.** The candidate shall submit a declaration that the work he is submitting has not already been submitted for obtaining a similar degree of any other University.

**4.** The work submitted shall be referred to three examiners nominated by the Syndicate on the recommendation of the Vice-Chancellor. The degree shall only be awarded if all three examiners recommend award of the degree.

**5.1.** The reports of Examiners shall be considered by the Syndicate who shall decide whether or not the degree of Doctor of Literature be awarded; the degree shall only be awarded if all the three examiners recommend award of the degree.

**5.2.** If the Examiners consider that the candidate is not worthy of the degree of Doctor of Literature but that his work is of a standard equivalent to that required for the degree of Doctor of Philosophy, they may recommend him to the Syndicate for the grant of degree of Doctor of Philosophy who shall decide whether or not the degree of Doctor of Philosophy be awarded.

**6.** The Controller of Examinations shall publish the result in accordance with the decision of the Syndicate.

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## DOCTOR OF SCIENCE

**1.** Every candidate for the degree of Doctor of Science, shall have passed not less than six years previously the examination for the Master's degree –

(i) of the Panjab University;

or

(ii) subject to sanction of the Academic Council of any other recognised University, provided he is a whole-time permanent teacher of the Panjab University or an affiliated college;

or

(iii) Ph.D. degree of the Panjab University, or subject to the sanction of the Academic Council, the Ph.D. or D.Sc. degree of another University, provided that he has obtained this degree not less than three years earlier.

**2.1.** Every candidate for the degree must have, to the satisfaction of the Vice-Chancellor, already made substantial published contributions to Science.

**2.2.** If permitted by the Vice-Chancellor, the candidate shall submit four copies of published work containing original and substantial contributions to some branch of science accompanied by a fee as prescribed by the Syndicate from time to time.

**3.** The candidate shall submit a declaration that the work he is submitting has not already been submitted for obtaining a similar degree of any other University.

**4.** The work submitted shall be referred to three examiners nominated by the Syndicate on the recommendation of the Vice-Chancellor.

**5.1.** The reports of Examiners shall be considered by the Syndicate which shall decide whether or not the degree of Doctor of Science be awarded; the degree shall only be awarded if all the three examiners recommend award of the degree.

**5.2.** If the Examiners consider that the candidate is not worthy of the degree of Doctor of Science but that his work is of a standard equivalent to that required for the degree Doctor of Philosophy, they may recommend him to the Syndicate for the grant of the degree of Doctor of Philosophy which shall decide whether or not the degree of Doctor of Philosophy be awarded.

**6.** The Controller of Examinations shall publish the result in accordance with the decision of the Syndicate.

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**(ii) Faculty of Languages**  
**DIPLOMA IN GURU GRANTH ACHARYA**

**1.1.** The duration of the course of instruction for the Guru Granth Acharya examination shall be two years.

**1.2.** The examination shall be held in two parts, viz., Part I at the end of the course of the first year and Part II at the end of the course of the second year. The examination for Part I and Part II shall be held annually ordinarily in the month of April on such dates as may be fixed by the Syndicate.

**1.3.** A supplementary examination shall be held for only compartment candidates ordinarily in the month of September of the same year, on such dates as may be fixed by Syndicate.

**1.4.** The date of commencement of the examination and the last date for receipt of examination admission form and fee without and with late fee as fixed by the Syndicate from time to time, shall be notified by the Controller of Examinations.

**2.1.** A person who has passed one of the following examinations shall be eligible to join in the course :

- (a) Honours examination in a modern or a classical oriental language of this University;
- (b) any first degree examination of this University;
- (c) an examination of another University recognised by the Syndicate as equivalent to (a) or (b).

**2.2.** A person who has passed Guru Granth Acharya Part I examination of this University shall be eligible to join Part II class.

**3.1.** A person who possesses the qualification laid down in Regulation 2, has been on the rolls of an institution affiliated to the University for the Guru Granth Acharya examination for one academic year and produces the following certificates signed by the Head of the institution shall be eligible to appear in Part I/II examination :

- (a) of good character; and
- (b) of having attended not less than 66 per cent of the lectures delivered in each subject.

A deficiency in the required number of lectures up to 15 may be condoned by the Head of the institution.

**3.2.** A person who possesses the qualification laid down in Regulation 2 and satisfies the conditions laid down in the regulations of the Chapter for private candidates for the examination shall also be eligible to appear in Part I/II examination.

**4.** The amount of examination fee to be paid by a candidate for each Part shall be as prescribed by the Syndicate from time to time.

An additional fee as prescribed by the Syndicate from time to time, shall be charged from a Private candidate.

**5.** Private candidates shall submit their application forms for admission to the examination Countersigned by one of the authorities approved by Syndicate for this purpose.

**6.** The medium of examination will be English, Urdu Hindi Or Punjabi for setting of question papers and for writing the answers.

**7.** The examination shall be held according to the syllabus prescribed by the Senate.

**8.1.** The minimum number of marks required to pass the examination shall be 45 per cent in each paper.

**8.2.** A candidate for Part I/II examination who obtains at least 45 per cent of the aggregate marks but fails in one paper obtaining not less than 33 per cent marks shall be permitted to appear in that Paper at the Supplementary examination held in September of the same year on payment of full fee prescribed for the examination. If he obtains pass marks, he shall be deemed to have passed the Guru Granth Acharya examination. If he fails at the Supplementary examination, he shall have to appear in all the papers next time.

**9.1.** Successful candidates shall be classified as under, on the combined result of Part I and Part II examination :

- |     |  |    |                 |
|-----|--|----|-----------------|
| (a) | Those who obtain 60 per cent or more of the aggregate marks                            | .. | First Division  |
| (b) | Those who obtain 50 per cent or more but less than 60 per cent of the aggregate marks. | .. | Second Division |
| (c) | Those who obtain less than 50 per cent of the aggregate marks.                         | .. | Third Division  |

**9.2.** The Controller of Examinations shall publish the result of the examination four weeks after the termination of the examination or as soon as may be possible.

**9.3.** Each successful candidate of Part I shall receive a certificate of having passed that examination. Each successful candidate of Part II shall receive a Diploma conferring the title of Guru Granth Acharya showing the division in which he has passed together with the marks obtained by him and the aggregate marks.

**10.1.** A person who has passed this examination from the Panjab University may be allowed to reappear as a private candidate for purposes of improving his previous performance. For this purpose, he may be given two chances within a period of five years from the date of his passing the examination.

**10.2.** A person who is allowed to reappear in this examination under Regulation 10.1 may reappear in both Part I and Part II examinations simultaneously or Part I or Part II or both the Parts separately, but if he chooses to appear in both the Parts; he must complete the examination within a period of five years from the date of his passing the Guru Granth Acharya examination.

**10.3.** Marks already obtained in Part I or Part II may be carried forward and combined with the other Part for purposes of improving the previous performance.

**10.4.** A person who chooses to reappear in both the Parts separately, but finds that he has improved the previous performance even with the marks of one Part, may not reappear in the other Part.

**10.5.** The result of the candidate shall be declared only if he improves his performance.

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## DIPLOMAS AND LITERARY TITLES IN ORIENTAL CLASSICAL LANGUAGES

**1.1.** There shall be examinations for Diplomas of -

- (i) (a) Proficiency in Sanskrit Language and Literature, to be called 'PRAJNA';  
(b) Proficiency in Persian Language and Literature, to be called 'MUNSHI';  
(c) Proficiency in Arabic Language and Literature, to be called 'MAULVI';
- (ii) (a) High Proficiency in Sanskrit Language and Literature, to be called 'VISHARDA';  
(b) High Proficiency in Persian Language and Literature, to be called 'MUNSHI ALAM';  
(c) High Proficiency in Arabic Language and Literature, to be called 'MAULVI ALAM';
- (iii) (a) Honours in Sanskrit Language and Literature, to be called 'SHASTRI';  
(b) Honours in Persian Language and Literature, to be called 'MUNSHI FAZIL'.  
(c) Honours in Arabic Language and Literature, to be called 'MAULVI FAZIL'.

**1.2.** The duration of the courses for all these examinations, except (iii) (a), i.e. SHASTRI, shall be one academic year. For Shastri examination, the duration shall be two years.

**1.3.** These examinations shall be held annually by the University on the dates fixed by the Syndicate.

The Shastri, Munshi Fazil and Maulvi Fazil examinations shall be held twice a year, ordinarily in the month of April and September, on such dates as may be fixed by the Syndicate.

**1.4.** A supplementary examination shall be held ordinarily in the month of September for compartment candidates on such dates as may be fixed by Syndicate.

**1.5.** The last date for receipt of examination admission forms (i) without late fee, (ii) with late fee, (iii) upto December 31 of the preceding year with a late fee and (iv) upto January 31 with a late fee shall be as fixed by the Syndicate from time to time, (iv) up to January 31 with a late fee of Rs. 105.

**1.6.** The schedule of dates fixed in accordance with Regulations 1.3, 1.4 and 1.5 shall be notified by the Controller of Examinations.

**1.7.** The Shastri examination shall be held in two parts--Part I at the end of the first year and Part II at the end of the second year.

**2.1.** A person who has passed one of the following examinations shall be eligible to join the Shastri Part I Class :

- (a) The Visharda examination of this University;
- (b) M.A. examination in Sanskrit of this University;

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\*To take effect from the session 1985-86.



(c) an examination of another University recognised as equivalent to (a) or (b).

**2.2.** A person who has passed Shastri Part I examination of this University shall be eligible to join Shastri Part II class.

**2.3.** For admission to other examinations, viz., Prajna, Visharda, Munshi, Munshi Alam, Munshi Fazil, Maulvi, Maulvi Alam and Maulvi Fazil, no qualification has been prescribed.

**3.1.** A person who possesses the qualification laid down in Regulation 2, and produces the following certificates signed by the Head of the affiliated institution most recently attended by him shall be eligible to appear in the examinations listed in Regulation 1.1 :

- (a) of good character;
- (b) of having been on the rolls of an institution affiliated to the University during the year preceding the examination; a deficiency in this period may be condoned by the Syndicate for special reasons; and
- (c) of having attended not less than 66 per cent of the lectures delivered to the class concerned.

**3.2.** A deficiency in the required number of lectures may be condoned by the Principal of a college to the extent of 15 lectures.

**3.3.** A person who possesses the qualification laid down in Regulation 2 and is permitted to appear in the examination as a private candidate under the regulations of the chapter for such candidates shall also be eligible to appear in these examinations.

A private candidate eligible under this regulation shall submit his admission form countersigned by one of the authorities approved by the Syndicate.

**4.** The amount of examination fee to be paid by a candidate for each examination shall be as prescribed by the Syndicate from time to time.

An additional fee as prescribed by the Syndicate from time to time, shall be charged from a private candidate.

**5.1.** The examination shall be held according to the syllabus prescribed by the Senate.

**5.2.** The medium of examination shall be-

- (i) Sanskrit in the case of Visharda and Shastri examinations and Hindi in the case of Prajna examination.
- (ii) Urdu in case of Persian and Arabic examinations.

**5.3.** Candidates for these examinations may offer an additional paper carrying 100 marks as below :

<i>Examination</i>	<i>Additional Paper in</i>
(1) Prajna	Hindi
(2) Visharda	Elementary Arithmetic and General Knowledge.
(3) High Proficiency and Honours in Persian and Arabic	Urdu.

**6.1.** The minimum number of marks required to pass shall be as under :

- |     |  |    |  |
|-----|--|----|--|
| (a) | Proficiency and High Proficiency examination | .. | 33 per cent in each paper.                                     |
| (b) | Honours examination                          | .. | 33 per cent in each paper and<br>40 per cent in the aggregate. |
| (c) | Additional Paper                             | .. | 33 per cent.   |

In the Shastri examination, grace marks shall be given separately in Part I and Part II examinations.

**6.2.** A candidate appearing in (a) Part I/II Shastri, or (b) Munshi Fazil or (c) Maulvi Fazil examination, shall also be deemed to have passed the examination if he obtains :

- |     |  |
|-----|--|
| (a) | at least 50 per cent marks in the aggregate of all the papers; and |
| (b) | at least 25 per cent marks in the individual papers.               |

**6.3.** In the Proficiency, High Proficiency and Honours examinations, a candidate who has failed in one paper but obtained an aggregate of 40 per cent marks in the remaining papers (other than the one in which he has failed and additional paper) shall be permitted to re-appear in that paper at the supplementary examination to be held in September of the same year and the next annual examination only on payment of the same fee on each occasion as for the whole examination and if he passes in that paper in either of those examinations, he shall be deemed to have passed the examination.

Provided that the Syndicate may extend this period in the case of a member of the regular armed forces, who is unable owing to defence exigencies, to avail himself of a chance within this time.

**6.4.** A candidate for Shastri Part I examination who is placed in compartment may be allowed to join Part II class and also appear simultaneously in Part I and Part II examinations. If he fails to clear the Part I examination within the period allowed by this regulation, his result of Part II examination will be cancelled.

**6.5.** A candidate for Shastri Part II examination who is placed in compartment may be allowed to join Acharya Part I class and also to appear simultaneously in Shastri Part II and Acharya Part I examinations. If he fails to clear the Part II examination within the period allowed by this regulation, his result of Acharya Part I examination will be cancelled.

**7.1.** Successful candidates shall be classified as under :

- |     |  |    |                 |
|-----|--|----|-----------------|
| (a) | those who obtain 60 per cent or more of the aggregate marks (including the additional paper)                           | .. | First Division  |
| (b) | those who obtain 50 per cent or more but less than 60 per cent of the aggregate marks (including the additional paper) | .. | Second Division |
| (c) | those who obtain less than 50 per cent of the aggregate marks (including the additional paper)                         | .. | Third Division  |

In the case of Shastri examination, the division will be determined on the combined marks obtained in Part I and Part II examinations.

**7.2.** The Controller of Examination shall publish the result six weeks after the termination of the examination or as soon thereafter as is possible. Each successful candidate shall be granted a Diploma 'under Regulation 8 stating the examination passed by him and the division in which he has passed together with the marks obtained by him and the aggregate marks.

A candidate who passes Part I of the Shastri examination shall be granted a certificate of having passed Part I examination.

The additional paper in which a candidate has qualified shall be mentioned in his certificate.

**8.** Diplomas conferring the Oriental Literary Titles of Shastri, Munshi Fazil or Maulvi Fazil shall be granted to persons who pass the examination for Honours in Sanskrit, Persian or Arabic, respectively.

Diplomas conferring the Oriental Literary Titles of Visharda, Munshi Alam or Maulvi Alam shall be granted to persons who pass the examination for High Proficiency in Sanskrit, Persian or Arabic, respectively.

Diplomas conferring the Oriental Literary Titles of Prajna, Munshi or Maulvi shall be granted to persons who pass the examination for the Proficiency in Sanskrit, Persian or Arabic, respectively.

**9.** Under these Regulations a candidate can take an Oriental Titles or Modern Indian Languages examination in April and another Oriental Titles or Modern Indian Languages examination in September of the same calendar year.

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**PRAK SHASTRI PART-I AND PART-II AND SHASTRI (3 YEAR COURSE)**

*(Effective from the admissions of 1990)*

**1.1.** There shall be the following examinations for Sanskrit (Traditional., Oriental Type)–

- (a) Prak Shastri ( of two years' duration); and
- (b) Shastri (of three years' duration).

**1.2.** The Shastri examination shall be held in three Parts i.e. Part I at the end of first year, Part II at the end of second year and Part III at the end of third year.

**1.3.** The examinations for Prak Shastri Part I and Part II and Shastri Parts I, II and III shall be held annually by the University on the dates fixed by the Syndicate.

For candidates placed in compartment, a supplementary examination shall be held on the dates fixed by the Syndicate.

**1.4.** The last date for receipt of examination admission forms without and with late fee as fixed by the Syndicate shall be notified by the Controller or Examinations.

**2.1.** A person who has passed one of the following examinations shall be eligible to join Prak Shastri Part I class .-

- (i) Matriculation, Higher Secondary Part I examination of the Panjab University;
- (ii) Matriculation, Higher Secondary Part I of Board of School Education, Punjab, Haryana, Himachal Pradesh or of Central Board of Secondary Education, Delhi.
- (iii) An examination of another University recognised as equivalent to (i) and (ii) above.

**2.2.** A person who has passed Prak Shastri Part I examination shall be eligible to join Prak Shastri Part II class.

**2.3.** A person who has passed one of the following examinations shall be eligible to join Shastri Part I Class :-

- (a) Prak Shastri Part II or Vishard examination (with Matric) of the University.
- (b) An examination of another University recognised as equivalent to ( a).

A person who has been placed under compartment in one paper in Prak Shastri examination conducted by this University or an examination of another University recognised as equivalent thereto, shall be eligible to join/appear in Shastri (3 Year Degree Course) Part I examination provisionally. In case he fails to clear the compartment paper of the lower examination in the next two consecutive chances immediately following the examination in which he was placed under compartment, his provisional admission to Shastri (3 Year Degree Course) Part I examination as also his result of Shastri (3 Year Degree Course) Part I examination shall be cancelled.

**3.1.** A person who possesses the qualification laid down in Regulation 2 and produces the following certificates signed by the Head of the affiliated/associated institution most recently attended by him shall be eligible to appear in the examinations listed in Regulation 1 :-

- (a) of good character;