

C O L L E G E Y N A M E A C L Y N N N A N G N L Y

Every candidate for the degree of Doctor of Philosophy in Engineering shall be required to :-

- (a) produce a certificate that he has taken the Master of Engineering degree of this University or (subject to the sanction of the Research Board in Engineering) of any other University, whose degree is recognized as equivalent to the Master of Engineering degree of this University or has passed any other equivalent examination;
- (b) submit a thesis complying with the following conditions :-
  - (i) the greater portion of the work submitted therein must have been done subsequent to his passing the Master of Engineering Examination;
  - (ii) the work must contain some material contribution to knowledge and afford evidence of originality shown by the discovery of new facts, or by the exercise of independent critical power; and
  - (iii) a declaration in writing through his Supervisor or Head of the department, as the case may be, to the effect that the thesis submitted for Ph.D. degree is not substantially the same as the one already submitted by him to another university.

There shall be a Research Degree Committee in each discipline of Engineering viz., Aeronautical, Chemical, Civil, Electrical, Electronics and Electrical Communication, Mechanical, Metallurgy and Production which shall consist of :-

- (a) Dean of Faculty of Engineering and Technology;
- (b) All Professors of that particular discipline of Engineering;
- (c) Convener of the respective Board of Studies;
- (d)
  - (i) One Associate Professor and one Assistant Professor—one each from the Punjab Engineering College, Chandigarh and Guru Nanak Engineering College, Ludhiana, by seniority, by rotation.
  - (ii) One Reader and one Lecturer from the Department of Chemical Engineering & Technology, Panjab University, by seniority, by rotation.Provided that the relevant discipline exists at both the colleges.
- (e) One Professor of allied discipline to be appointed by the Vice-Chancellor.

The Research Degree Committee shall consider each application and decide whether in their opinion :-

- (a) the subject proposed for research; and
- (b) the supervisors 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.

The title of the thesis, the synopsis and the guides recommended by each Research Degree Committee shall be considered by the Research Board which shall consist of :-

- (a) Dean of the faculty of Engineering & Technology;
- (b) Principals of Engineering Colleges/Head of the Department of Chemical Engineering & Technology in case of the University Department;
- (c) Professors of Postgraduate courses in affiliated Engineering Colleges and Professors of Chemical Engineering and Technology Department;
- (d) Three experts nominated by the Syndicate on the recommendation of the Faculty;

by a fee (as may be prescribed by the Syndicate from time to time) and a certificate from his Supervisor or Head of the Department, as the case may be, of his having completed his research indicating the period for which the candidate has done research work and whether the thesis is worthy of consideration for award of Ph.D. degree.

The thesis shall be accompanied by a declaration signed by the candidate that it is entirely his own work; and a certificate that it has not previously formed the basis for the award of any degree. Diploma, associateship, fellowship or other similar title of recognition.

An internal candidate must have done research work on the approved subject for at least two years after Master of Engineering examination. He shall submit his thesis at any

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The course for the Diploma in Refrigeration and Air-Conditioning will be of one year's duration comprising two semesters known as (Part A and Part B).

The examination for the subjects of Part A shall be held at the end of the first semester

(ii)



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↳ The duration of the course of the degree of M.Tech. (Micro-Electronics) for regular candidates shall be of three semesters-18 months. The maximum period in which such a candidate must qualify for the degree shall be four academic years, failing which he shall not be allowed to continue his studies for the course.

↳ A person holding the following qualifications shall be eligible for admission to M.Tech.



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

• Every candidate shall be required to offer for examinations :-

- (a) 10 theory papers out of the list approved by the Faculty of Engineering & Technology from time to time – selection to be made on the advice of the Head of the Department/Principal, provided that no candidate shall be allowed to enrol in more than five papers in each semester. Further no candidate shall be allowed to qualify in more than five papers at the end of the first semester of the first year of the course and not more than ten papers (including the papers passed in the first semester), at the end of the first year of the course.
- (b) A thesis, of which four neatly typed/printed copies properly bound, shall be submitted to the University.

• The medium of Instruction and Examination shall be English.

• The candidate shall pursue his/her thesis work under the supervision of the teacher concerned in the University Department/College/Collaborating

requisite admission fee per paper in each semester examination subject to a minimum of amount

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The duration of course for the degree of M.Tech. (Energy Engineering & Management) for regular candidate shall be four years (2 years). The maximum period in which such a candidate must qualify for the degree shall be four academic years, failing which he shall not be allowed continue his/her studies for the course.

A person holding the following qualifications shall be eligible for admission to M.Tech. (Energy Engineering & Management).

B.E./B.Tech. or equivalent degree in Chemical, Mechanical, Civil Production Engineering, Electrical Engineering, Agricultural Engineering, M.Sc. Physics, M.Sc. Energy, M.Sc. Chemistry with 55 per cent marks in aggregate.

Admission will be made as per procedure prescribed by the Syndicate from time to time.

A candidate who has passed A & B Sections of the Indian Institutions of Engineers (Calcutta) (AMIE) or Indian Institute of Chemical Engineers (Calcutta) (I.I.Ch.E.) with at least 55 per cent marks may be admitted to M.Tech. (Energy Engineering & Management) course provided that he has passed the entrance test.

The examination for the degree of M.Tech. (Energy Engineering & Management) shall be held in December/January and May/June on dates fixed by the Syndicate.

The last date for receipt of examination admission forms and examination fees without and with late fee shall be fixed by the Syndicate.

The dates fixed by the Syndicate in accordance with Regulations 3.1 shall be notified by the Controller of Examinations.

A student who has remained on the rolls of the University Department in M.Tech. (Energy Technology) Semester concerned and produced following certificate signed by the Director Energy Research Centre shall be eligible to appear in the examination in that semester :-

- (i) of good moral character;
- (ii) of having attended for each subject, not less than 75% of the lectures and 75% of the total sessional work, in tutorials design, laboratory work and seminars and of having acquitted himself creditably in all the exercises or periodicals examination conducted by the University Department from time to time.

A deficiency in the required number of lectures and practicals may be condoned up to 10 per cent by the Director Energy Research Centre.

The amount of admission fee to be paid by the candidates shall be prescribed by the Syndicate from time to time.

Every candidate shall be required to offer for examination :-

- (a) 10 theory papers out of the list approved by the Faculty of Engineering and Technology from time to time—selection be made on the advice of the Director Energy Research Centre provided that no candidate shall be allowed to qualify

in more than five papers at the end of the first semester of the first year of the course and not more than ten papers (including the papers passed in the first semester) at the end of the first year of the course.

(b) A thesis of which four neatly typed or printed copies properly bound shall be submitted to the University.

● The medium of Instruction and examination shall be English.

The candidate shall prepare his/her thesis under the supervision of the teacher concerned in the University/Department/Collaborating Institutions and a joint Supervisor from any other Institution, Industry/Corporation/other organization engaged in the area of Energy. If, however, the Director Energy Research Centre is satisfied that facilities for preparing the thesis exist elsewhere, he may allow that candidate to prepare his/her thesis there and his period shall be counted towards the requirement for M.T

Successful candidates shall be classified as under :-

- (a) Those who obtain 75% or more of the aggregate marks of all the theory papers and in the sessional at least fifty per cent marks in each theory papers and also if the thesis has been adjudged to merit that the candidate concerned has cleared distinction, provided the examination in each paper at the first attempt (i.e. the first time when a candidate actually takes the University examination in the concerned paper) : Pass with Distinction
- (b) Those who pass all the theory papers and the sessionals, but are not entitled to be classified as having been placed in Pass with distinction. : First Division

Four weeks after the termination of each semester examination or as soon as possible, the Controller of Examinations shall publish the result. Every successful candidate shall receive a certificate of having passed that semester of the examination shall be awarded the degree in accordance with Regulation

A person who has passed in all the theory papers but has not completed the thesis he/she shall be granted Post Graduate in Energy Technology.

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**College of Medical Science  
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MBB**

The duration of the course of instruction for the degree of Bachelor of Medicine and Bachelor of Surgery (M.B.B.S.) including compulsory rotating housemanship shall be five and a half years.

There shall be three examinations, viz., First, Second and Final.

The First examination will be held at the end of 18 months, the Second examination at the end of 36 months and the Final examination at the end of 54 months of admission to the medical college.

After a candidate has passed the Final examination, there shall be a compulsory rotating housemanship as described in Regulation 8.

These examinations shall be held twice a year as follows or as decided by the Syndicate :-

First M.B.B.S.	2nd week in November and 2nd week in May
Second M.B.B.S.	2nd week in May and 2nd week in November
Final M.B.B.S.	2nd week in May and Part-I 2nd week in September.
Final M.B.B.S.	3rd week in November and Part-II 1st week in May.

The dates fixed for receipt of examination 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.

A person who shall attain the age of 17 years or more on December 31st of the year of admission and has passed one of the following examinations shall be eligible to join the first year class of the course :-

- 10+2 examination (medical group) of the Punjab School Education Board/ CBSE or any of its equivalent examination with at least 50 per cent marks in the aggregate of Physics, Chemistry, Biology provided he has passed English as a compulsory subject. However, in the case of Scheduled Castes/Tribes candidates, relaxation of 10 per cent and in the case of backward classes relaxation of 5% in the aggregate marks obtained shall be allowed.

Provided further that the candidate has passed the 10+2 examination in the first attempt.

- B.Sc. examination of the Panjab University with at least 50 per cent marks in the aggregate of Physics, Chemistry, Botany and Zoology provided he has passed English as compulsory subject of the 10+2 examination of the Punjab School Education Board/CBSE or any of its equivalent examination. However, in the case of Scheduled Castes/Tribes candidates, relaxation of 10 percent and in the case of Backward classes, relaxation of 5% in the aggregate marks obtained shall be allowed.

A candidate may have passed in one or more of these subjects in an examination subsequent to his passing B.Sc. examination.

3. B.Sc. examination of the Panjab University in the First Division with any three subjects out of Physics, Chemistry, Botany, Zoology, Micro-biology, Biophysics, Physiology, Human Anatomy, Biochemistry, Mathematics and, Statistics and any of the Social Sciences if the student passed the 10+2 examination (medical group) of the Punjab School Education Board/CBSE or any of its equivalent examination with less than 50% marks.
4. M.Sc. examination of the Panjab University in the First Division in any subject out of Physics, Chemistry, Botany, Zoology, Microbiology, Bio-Physics, Physiology, Human Anatomy and Bio-chemistry, if the student passed the 10+2 examination (medical group) of the Punjab School Education Board/CBSE or any of its equivalent examination with less than 50% marks.

Provided that no one shall be permitted on the basis of :-

- (i) 10+2 examination (Medical group) or its equivalent examination passed as a late college student or in second subsequent attempt.
  - (ii) 10+2/Pre-Medical certificate obtained after having passed the 10+2/Pre Engg. or equivalent examination, unless marks obtained in Biology if added to the marks already obtained in English, Physics and Chemistry in the 10+2/Pre Engg. examination become at least 50% marks of the fresh aggregate marks provided that the candidate has passed Biology within a year from passing Pre-Engineering examination.
- (a) Only a person who has passed the First M.B.B.S. examination of the Panjab University shall be eligible to join the Second M.B.B.S. class.
- (b)

- (c) of having attended not less than :-
  - (i) 75 per cent of the full courses of lectures delivered; and
  - (ii) 75 per cent of the full courses of practicals held, separately in Anatomy, Physiology and Biochemistry; and
- (d) of having undergone, for not less than 18 months, the following courses and having successfully completed the stipulated period under Regulation 1.2;
  - (i) Dissection of the entire body;
  - (ii) Histology;
  - (iii) Elements of Human Embryology;
  - (iv) The Principle of General Physiology, including Bio-physics and elementary normal Psychology;
  - (v) The Principles of Biochemistry;
  - (vi) Principles of Genetics;
  - (vii) Elements of the methods of clinical examination including the use of the common instruments and the examination of body fluids with demonstrations on both normal and abnormal living subjects;

*No e* : - The demonstration of structure and function in the teaching of Anatomy and Physiology shall be done as far as possible on the living human subject and should include the information



to have received practical instruction in the conduct of autopsies and

- (b) a course of instruction in the Principles and practice of preventive and social medicine;
- (c) a medical clinical clerkship for a period of nine months, of which six months be spent in the hospital wards and three months in the out-patient department;
- (d) a clinical clerkship for not less than three months and should include social paediatrics and neonatology, growth and development, and paediatric surgery.

3 months clerkship shall be divided as follows :-

Paediatric Medicine	..	6 weeks
Neonatology	..	2 weeks
Social paediatrics including growth and development	..	2 weeks
Paediatric Surgery	..	2 weeks

*Explanation* -By introducing 3 months clerkship for Paediatrics (which will also include Social Paediatrics, Neonatology, Growth and Development and Paediatric Surgery) there will be no change required in the period of clerkship prescribed for other subjects i.e. Medicine along with subspecialities. Surgery and its subspecialities, Ophthalmology and ENT, Obst. & Gynaecology.

- (e) lectures or demonstrations in Clinical Medicine and attendance on general inpatient and out-patient practice during at least two years, which may run concurrently with the surgical practice;
- (f) instruction in Therapeutics and prescribing, including (i) Pharmacological therapeutics (ii) the methods of treatment of vaccines and sera (iii) Physiotherapy (iv) dietetics and (v) the principles of nursing;
- (g) instruction in Applied Anatomy and Applied Physiology throughout the period of clinical studies;
- (h) Instruction throughout the period medical clerkship of clinical Pathology including theory and practice of immunisation;
- (i) attendance at each of the following department for a period of 15 days out of which not more than six shall be for lecture demonstrations :-
  - (1) Infectious Diseases Hospitals.
  - (2) Tuberculosis.
  - (3) Psychological Medicine and Psychiatry.
  - (4) Diseases of Skin, Leprosy and Venereal Diseases.
  - (5) Radiology and Electrotherapeutics in their application to medicine.

## (6) Dietetics and Principles of Nursing.

Instruction in these subjects (1) to (6) may run concurrently with the course of instruction in Medicine and training in (6) may be given in the Department of Medicine.

- (3) Surgery, including :-
- (a) a course of systematic instruction in the principles and practice of surgery;
  - (b) a clinical dressership for a period of nine months of which six months must be spent in the hospital wards and three months in the out-patient department;
  - (c) during the period of clinical ward training a continuous period of 15 days as an intern clerk in the Casualty Department during which the student will be in residence in the hospital or close by where special emphasis will be laid on traumatic surgery, resuscitation measures and improvisation in the field;
  - (d) lectures or demonstrations in Clinical surgery and attendance in general in-patient and out-patient practice during at least two years which may run concurrently with medical practice under 2(e);
  - (e) practical instruction in clinical methods, including physiotherapy;
  - (f) practical instruction in minor surgery;
  - (g) a course of instruction in operative surgery;
  - (h) instruction in Applied Anatomy and physiology throughout the period of clinical studies;
  - (i) instruction in Clinical Pathology throughout the period of clinical dressership;
  - (j) instruction in and attendance at each of the following departments for a period of 15 days out of which not more than six shall be for lecture demonstrations :-
    - (1) Radiology and Electrotherapeutics in their application to surgery;
    - (2) Orthopaedics;
    - (3) Anaesthesiology including instruction in the Administration of anaesthetics.

Instruction in 1 - 3 may run concurrently with the course of instruction in surgery.

*Note* :- Each student during this period of clinical clerkship and clinical dressership in the wards shall have continuously in his charge as clinical clerk and dresser respectively not less than 5 beds.



- (b) Diseases of the ear, nose and throat including the use of the otoscope laryngoscope and rhinoscope. Attendance for a period of one month, out of which not more than six shall be for lecture demonstrations.

- NB* (1) Throughout the period of study of clinical subjects, the attention of the students should be directed by the teachers of these subjects, to the importance of preventive aspects. Emphasis should be laid on practical training rather than on didactic lectures.
- (2) Professional examinations are to be conducted with a view to ascertaining the candidate's knowledge in fundamental and basic principles of the subjects; examination of detail should be scrupulously avoided.

A deficiency in the required number of lectures, clinicals and practicals may be condoned by the Principal up to the extent of 5 per cent.

A candidate who has completed the prescribed course as laid down in these regulations and is unable to appear in the examination, or, having appeared has failed, may be admitted to subsequent examinations, as under, on payment of the prescribed fee on each occasion, and on presenting a certificate signed by the Principal of the Medical College in which he completed the course, that he has, subsequent to his last failure, attended a course of training/hospital practice, in the subjects of the examinations as the Principal may determine :

First M.B.B.S. .. next three consecutive examinations; a candidate who is unable to qualify in both the subjects, viz., Anatomy and Physiology in four consecutive chances including the first chance to which he was entitled, shall not be allowed to continue his studies for the Medical course.

Second and final .. One or more subsequent examinations.  
M.B.B.S.

The examination will be held according to the syllabus prescribed by the Senate.

The medium of examination shall be English.

Every candidate shall offer the following subjects :-

First M.B.B.S.	1.	Anatomy	..	400 marks
	2.	Physiology including Biochemistry	..	400 marks
Second M.B.B.S.	1.	Pathology including Microbiology	..	400 marks
	2.	Pharmacology	..	400 marks
	3.	Forensic Medicine	..	200 marks
Final M.B.B.S.	1.	Preventive and Social Medicine	..	200 marks
	2.	Medicine	..	400 marks
	3.	Midwifery and Gynaecology	..	400 marks
	4.	Surgery and Operative Surgery	..	400 marks
	5.	Ophthalmology and Diseases of the Ear, Nose and Throat	..	400 marks

Ten per cent of the total marks in each subject of every examination shall be allotted to certified class-work including day-to-day work and periodical class examinations 5 per cent shall form a part of the theory work and 5 per cent for clinical (in the case of clinical subject) or practical in the case of other subjects.

A candidate who does not fulfil the conditions laid down for all the subjects for the examination, may be allowed to take the examination in the subject in which he has fulfilled the conditions.

The amount of examination fee to be paid by a candidate for First, Second & Final M.B.B.S. shall be as fixed by the Syndicate from time to time.

A candidate on reappearing shall pay admission fee per subject for each examination subject to a maximum of the fee prescribed for the examination concerned and the admission fee for reappear would be in addition to admission fee charged for other examination, in which he was appearing.

In order to get through a subject a candidate must secure :-

- A. 50% marks out of the total marks of Clinical and Practical and 1/2 Internal Assessment and 1/2 Oral marks combined together.
- B. 50% marks out of total marks of Theory 1/2 Internal Assessment and 1/2 Oral marks combined together.

A candidate who obtains pass marks in one or more subjects, shall be exempted from reappearing in such subject provided that :-

- (a) in the case of First M.B.B.S. examination, he must qualify in both the subjects within the period prescribed in Regulation 3.5.
- (b) in the case of Second and Final M.B.B.S. examination, he clears the whole of the examination within a period of two years from the time the candidate first appeared in the examination, failing which he shall have to appear in all the subjects.

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

Successful candidates who obtain 75 per cent marks in any subject shall be declared to have passed "with distinction" in that subject provided he passes in all the subjects of the examination at one and the same time.

Distinction shall be awarded to a candidate when all the four examiners reevaluate the answer-books and jointly conduct the viva-voce examination of the candidate.

M.B.B.S. Degree with "Honours" shall be awarded to a candidate who :-

- (a) has completed the course in the minimum period; and
- (b) has passed each of the First, Second and Final Part I and Final Part -II examinations in the first attempt obtaining not less than 70% of the marks in each of the subject of every examination.

A successful candidate of the First/Second Final Part I examination shall be granted a certificate.

A successful candidate of the Final M.B.B.S. Part II examination shall be granted the degree after he has completed the Post-examination training prescribed in Regulation 8.

Compulsory rotating internship. Every candidate, on passing the Final M.B.B.S. examination, shall undergo in an institution approved by the Faculty of Medical Sciences 12 months' training as laid down by the Faculty of Medical Sciences before he is allowed full registration by the State Medical Council.

At the end of training in any department, the Head of the Department shall forward to, the Principal of the College a report on attendance, character and knowledge of the subject after due assessment. In case, the Head of the Department is not satisfied, the training in the subject shall be repeated.

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obtain a certificate from the Principal of his/her college for having completed the prescribed course of theory and practicals in the prescribed subjects of the First Professional examination.

- (v) A candidate failing in one or more subjects in examination shall be eligible to appear in Supplementary examination.

Candidates who fail to pass the First Professional examination in the admissible chances as mentioned above shall not be allowed to continue their studies. However, in the case of personal illness/accident of a serious nature of a candidate or other unavoidable conditions/circumstances, the Vice-Chancellor may permit them one or more chances only in lieu of the chance/s missed by them for passing the First Professional course.

**SECOND PROFESSIONAL EXAMINATION (to be held at the end of three years) :-**

- (i) The Second Professional course shall ordinarily start in January/February following the First Professional examination and the examination shall be held ordinarily in May/June of the year after completion of three years.
- (ii) The Second Professional examination shall be held after 1½ years after First Professional examination in the subjects prescribed in the syllabus.
- (iii) A candidate must pass atleast one subject for being eligible to appear in supplementary examination.
- (iv) The supplementary examination to Second Professional shall be held ordinarily in December/January and those who remain failed in one or more subjects in Supplementary examination shall be eligible to appear in

(i) SECOND Professional course shall ordinarily start in January/February following the First Professional examination and the examination shall be held ordinarily in May/June of the year after completion of three years.

(ii) The Second Professional examination shall be held after 1½ years after First Professional examination in the subjects prescribed in the syllabus.

(iii) A candidate must pass atleast one subject for being eligible to appear in supplementary examination.

(iv) The supplementary examination to Second Professional shall be held ordinarily in December/January and those who remain failed in one or more subjects in Supplementary examination shall be eligible to appear in

● **COMPULSORY INTERNSHIP\***

- (a) The compulsory rotating Internship shall be completed in a recognized or Govt. Teaching Ayurvedic Hospital/Government Ayurvedic Hospital/Dispensary in the State of Punjab or Union Territory of Chandigarh for a period of 12 months after passing the final examination.
- (b) On full completion of the internship as certified by the Principal on the recommendations of the authorities under whom the training was done by the candidate shall be eligible for the award of Ayurvedacharya (Bachelor of Ayurvedic Medicine and Surgery) Degree.

Only those students who fulfil the following requirements shall be allowed to appear in the BAMS First, Second/Final examination :-

- (a) of having been on the rolls of the college throughout the period of 1½ years each preceding the first, second and final examinations and two years preceding the final examinations;
- (b) of having good character;
- (c) of having attended not less than 75 percent of the full course of :-
  - (i) Lectures delivered; and
  - (ii) Demonstration and practicals held
 } separately in each subject.

Provided that the Principal of the college shall be empowered to condone shortage up to 5% of the total lectures delivered in each subject in theory and practicals separately which includes all kinds of periods i.e. leave, sports, function, etc. \*\*

- (a) Ten per cent of the total marks in each subject shall be allotted to certified class work and periodic class examinations both written and practical.
- (b) The minimum marks required to pass the examination shall be 50% in each subject including internal assessment for the written examination and 50% in each subject including internal assessment for the practical examination.
- (c) Successful candidates who have obtained 75% or more in any subject shall be declared to have passed “with Distinction” in that subject provided they passed in all the subjects of the said examination at one and the same time.

The medium of instruction and examination shall be Sanskrit/Hindi/Punjabi.

The number of students to be admitted to 1<sup>st</sup> year of B.A.M.S. Course shall be as decided by the appropriate University authority from time to time.

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\* Twelve months internship shall start immediately after the completion of Final Professional Examination. In case of failure, this period would not be counted towards the completion of twelve months internship required under the rules. For such students, the internship shall restart from the date they complete the course in the next examination. The distribution of duties during internship shall be strictly followed as laid down by the Central Council of Indian Medicine.

\*\* A student who is unable to appear in the examination owing to shortage of lectures in the prescribed course in a subject/subjects may be allowed to appear at the next examination if he makes up the deficiency of lectures in the subjects concerned by attending lectures at a college affiliated to the Panjab University.

The number of papers and marks for Theory and Practical for B.A.M.S. examination shall be as decided by the appropriate/competent authority from time to time.

Grace marks :-

- (i) 1 % of the total aggregate marks including the marks of practical and internal Assessment may be awarded to a candidate who fails in one or more subjects in order to declare him to have passed the examination.
- (ii) A candidate who fails in one or more subjects may be given grace marks up to one per cent in each subject separately in order to declare him eligible for earning exemption in a subject(s).
- (iii) A candidate who gets exemption in certain subject(s) and reappears in that/those subject(s) may be given grace marks up to one per cent of marks in each subject separately only in those subjects in which he actually reappears in order to declare him to have passed the examination and/or who with this benefit become eligible for earning exemption in a subject or subject(s).

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- (iii) However, a student failing in one or more subjects of First Professional Examination may be allowed to continue in Second Professional courses.
- (iv) A candidate who has failed in B.H.M.S. Ist Professional Annual Examination shall be permitted to continue studies to the next higher class but shall not be allowed to sit for the examination of the next professional till he has cleared all the subjects of the lower class.
- (v) The First Professional B.H.M.S. examination shall be held in the subjects prescribed in the syllabus & the candidates shall be required to pass all subjects.
- (vi) Pass marks in all subjects both Homeopathic & Allied Medical subjects shall be 50% in each part (written, oral & practical).
- (vii) A candidate securing 75% or above marks in any of the subjects shall be declared to receive honours in that subject provided he has passed the examination in the first attempt.
- (viii) The candidates, before presenting themselves for this examination shall obtain a certificate from the Principal of his/her college for having completed the prescribed course of theory & practicals in the prescribed subjects of the first professional examination.
- (ix) A candidate failing in one or more subjects in examination shall be eligible to appear in Supplementary examination.

Candidates who fail to pass the First Professional Examination in the admissible chances as mentioned above shall not be allowed to continue their studies. However, in the case of personal illness/accident of a serious nature of a candidate or other unavoidable conditions/circumstances, the Vice-Chancellor may permit them one or more chances only in lieu of the chances missed by them for passing the first professional course.

- (x) Second Professional B.H.M.S. Examination (to be held at the end of 2½ Years).
- (xi) The Second Professional Course shall ordinarily start in April following the First Professional Examination & the examination shall be held ordinarily in March of next year after completion of 2½ years.
- (xii) The Second Professional examination shall be held after one year after First Professional Examination in the subjects prescribed in the syllabus and the candidate shall be required to pass all subjects.
- (xiii) The supplementary examination to Second Professional shall be held ordinarily in September & those who remain failed in one or more subjects in Supplementary examination shall be eligible to appear in the subsequent Second Professional Examination.
- (xiv) Pass Marks in all subjects Homeopathic & Allied Medical subjects shall be 50% in each part (written, oral & practical).
- (xv) A candidate securing 75% or above marks in any of the subjects shall be declared to receive honours in that subject provided he has passed the examination in first attempt.

- Fourth Professional B.H.M.S. Examination (to be held at the end of 4½ Years) :-
  - (i) No candidate shall be admitted to the Fourth B.H.M.S. Examination unless :-
    - (a) he has passed the 3rd B.H.M.S. Examination at least one year previously.
    - (b)un2.1

attended to the satisfaction of the principal, a further course of study during the next academic year of the subject or subjects in which he had failed, provided that all the parts of the examination shall be completed within four chances (including the supplementary one) from the date when the complete examination came into force for the first time.

- (vii) If a candidate fails to pass in all the subjects within the prescribed four chances, he shall be required to prosecute a further course of study in all the subjects and in all parts for one year to the satisfaction of the Head of the college and appear for examination in all the subjects.

Provided that if a student appearing for the Fourth B.H.M.S. examination has only one subject to pass at the end of prescribed chances, he shall be allowed to appear at the next examination in that particular subject and shall complete the examination with this special chance.

- (viii) the examining body may, under exceptional circumstances, partially or wholly cancel any examination conducted by it under intimation to the Central Council of Homeopathy and arrange for conducting re-examinations in these subjects within a period of thirty day from the date of such cancellation.

Only those students who fulfil the following requirements shall be allowed to appear in the B.H.M.S. first, second, third & fourth examination :-

- (a) of having been on the rolls of the College throughout the period of 1½ years of B.H.M.S. Ist Professional & one year each of B.H.M.S. 2nd , 3rd & 4th Professional Examinations;
- (b) of having good character;
- (c) of having attended not less than 75% of the full course of :-
- (i) Lectures delivered; and
- (ii) Demonstration and practicals held separately in each subject.

Provided that the Principal of the College shall be empowered to condone shortage up to 5% of the total lectures delivered in each subject in theory & practicals separately which includes all kinds of period i.e. leave, sports, functions etc.

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**M C S Y L Y**  
*effective from the session*

The duration of the course for M.Sc. in Physiology shall be two academic years.

The system of examination i.e. whether annual or semester, will be adopted as prescribed in the rules.

A candidate who has passed one of the following examinations of Panjab University or any other University recognized by the Syndicate as equivalent thereto, shall be eligible for admission to M.Sc. Physiology :-

- (a) B.Sc. (with Anatomy, Physiology and Biochemistry);
- (b) B.Sc. Human Biology/Life Science;
- (c) B.Sc. (Honours School in Physiology/Zoology/Biochemistry/Biophysics/Biotechnology);
- (d) B.Sc. with Zoology, Botany, Chemistry/Biochemistry.

Qualifying marks for examination :-

- (i) A candidate shall be declared to have passed the examination if he/she obtains 50% marks in each theory paper and 50% marks in practicals in the 1<sup>st</sup> year and 2<sup>nd</sup> year separately;
- (ii) The weightage given towards internal assessment for each theory paper and practical (Part I and Part II) shall be 10% of the total marks allocated. The marks for internal assessment for theory are derived from the cumulative performance in various theory tests conducted from time to time, by the department. The marks for internal assessment for practicals are given based on performance in practical tests conducted by the department from time to time;
- (iii) Thesis would be adjudged as "Satisfactory" or "Unsatisfactory" and 'Satisfactory' should be taken as pass.
- (iv) A candidate who fails in the examination (Part I or Part II) after having completed the prescribed courses or fails to appear in the examination for valid reasons can appear in the supplementary examination. The marks for the internal assessment for the completed year will be credited for the said examination.
- (v) If a candidate does not pass in 3 attempts, he/she will not be allowed to continue his studies for the M.Sc. examination in Physiology. However, the maximum duration of the course shall not exceed 3 years from his/her date of admission to the course. The candidate has to pass the Part I examination for being eligible to appear for Part II examination. If the candidate has the thesis accepted but fails in Part II examination, he/she is not required to submit thesis again.

Every candidate for the M.Sc. Physiology Part I examination shall complete the following requirements and intimate the same through Principal of the college :-

Of having attended not less than 75% of all the lectures delivered and practicals



conducted separately (the course to be counted up to one month before the date of commencement of the examination). The examination in Part II shall be open to a student of the University who produces the following certificates signed by the Head of the Institution :-

- (a) Of having passed M.Sc. Part I examination in Physiology;
- (b) Of having attended not less than (i) 75% 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 (ii) 75% of the practical classes prescribed in the syllabus;
- (c) He/she should have submitted his/her thesis as directed by the Supervisor;
- (d) A candidate who fails in Part I examination will be allowed to continue his studies in Part II but will be allowed to appear in Part II examination subject to the condition that he/she clears Part I examination.

● 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.

Classification of successful candidates :-

As soon as possible after the completion of the examination, the Controller of Examinations shall publish a list of successful candidates. Each candidate who appears in Part I or II examination will receive a detailed marks card.

The successful candidates shall be classified into divisions as under on the basis of total aggregate marks of Part I and Part II examination taken together :-

- |       |                                                                                    |    |                                    |
|-------|------------------------------------------------------------------------------------|----|------------------------------------|
| (i)   | Those who obtain 75% or more having passed the examination in first attempt.       | .. | First Division<br>with Distinction |
| (ii)  | Those who obtain 60% or more of the total aggregate marks but less than 75% marks. | .. | First Division                     |
| (iii) | Those who obtain 50% or more of the total aggregate marks but less than 70% marks. | .. | Second Division                    |

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## C M C N M

The duration of the course of instruction for the degree of Doctor of Medicine (M.D.) shall be 36 months for both clinical and basic subjects.

The examination shall consist of (i) a thesis, (ii) four theory papers, oral, clinical and practicals and shall be held twice a year ordinarily in June/July and December/January on such dates as may be fixed by Syndicate. A candidate shall select one subject out of the list of Group A or B as given in Regulation 4.

The date of commencement of the examination and the last dates for receipt of examination admission form and fee as fixed by the Syndicate from time to time shall be notified by the Controller of Examinations.

A person who fulfils the following requirements shall be eligible to appear in the examination :-

has passed at least three years previously the examination :-

(i) for the degree of Bachelor of Medicine and Bachelor of Surgery of the Panjab University;

or

(ii) for the degree of Bachelor of Medicine and Bachelor of Surgery of any other University recognized by the Medical Council of India and approved by the Syndicate of this University on the recommendation of the Faculty of Medical Sciences.

A student who possesses the qualifications laid down in Regulation 2 and produces the following certificates signed by the Head of the Department concerned and countersigned by the Head of the College/Institution affiliated to the University for M.D. course where he received the training shall be eligible to appear in the examination :-

(i) of good character;

(ii) of having completed training for a period of not less than 36 months for both clinical and basic subjects in a College/Institute affiliated to this

A person who has completed the training in an affiliated College/Institute as required in Regulation 3.1 and has failed in the examination may appear again in a subsequent examination without further training, and without submitting a new thesis.

The following shall be the various groups of subjects for the examination :-

- o **A** *Clinical Subjects*
  1. General Medicine.
  2. Tuberculosis and Chest Diseases.
  3. Obstetrics & Gynaecology.
  4. Paediatrics.
  5. Radiodiagnosis.
  6. Community Medicine.
  7. Psychiatry.
  8. Dermatology, Venereology and Leprosy.
  9. Anaesthesiology.
  10. Physical Medicine & Rehabilitation.
- o **B** *Basic Subjects*
  1. Anatomy
  2. Physiology.
  3. Pharmacology.
  4. Pathology.
  5. Microbiology.
  6. Biochemistry.
  7. Biophysics.

The following shall be the titles of the four papers in each subject :-

- o **A** - *Clinical Subjects*

Medicine :

- 1st Paper .. Basic Sciences as related to Medicine
- 2nd Paper .. Principles of Medicine
- 3rd Paper .. Practice of Medicine
- 4th Paper .. Applied Pathology and Microbiology

Tuberculosis and Chest Diseases :

- 1st Paper .. Basic Sciences as related to Tuberculosis and Respiratory diseases
- 2nd Paper .. Principles and practice of Tuberculosis (Pulmonary and Non-Pulmonary)

3rd Paper .. Principles and practice of Non-Tuberculosis and Chest diseases

4th Paper .. General principles of Medicine as related to Tuberculosis and Respiratory diseases.

Obstetrics & Gynaecology :

1st Paper .. Basic Sciences as related to Midwifery and Gynaecology.

2nd Paper .. Midwifery including diseases of neonates.

3rd Paper .. Obstetrical and Gynaecological Pathology.

4th Paper .. Gynaecology.

Radiotherapy :

1st Paper .. Basic Sciences Physics as applied to Radiotherapy.

2nd Paper .. Principles of Radiotherapy.

3rd Paper .. Pathology as related to Radiotherapy

4th Paper .. Practice of Radiotherapy.

Radiodiagnosis :

1st Paper .. Basic Sciences and Physics as applied to Radiodiagnosis.

2nd Paper .. Principles of Radiodiagnosis.

3rd Paper .. Radiodiagnosis as related to Pathology.

4th Paper .. Practice of Radiodiagnosis.

Radiotherapy and Radiodiagnosis :

1st Paper .. Basic Sciences including Physics as applied to Radiology.

2nd Paper .. Principles and Practice of Radiodiagnosis.

3rd Paper .. Pathology as related to Radiology.

4th Paper .. Principles and Practice of Radiotherapy.

Paediatrics :

1st Paper .. Basic Sciences as related to Paediatrics.

2nd Paper .. Principles and Practice of Paediatrics.

3rd Paper ..

## Psychiatry :

- 1st Paper .. Basic Sciences related to Psychiatry.
- Part A .. Geuro Anatomy, Neurophysiology and Psycho-pharmacology.
- Part B .. Clinical and Social Psychology.
- 2nd Paper .. Clinical Psychiatry.
- 3rd Paper .. Psychiatric Theory and Psychiatric Specialities.
- 4th Paper .. Neurology and General Medicine as related to Psychiatry.

## Dermatology, Venereology and Leprosy :

- 1st Paper .. Basic Sciences as related to Dermatology.
- 2nd Paper .. Principles and Practice of Dermatology, Venereology and Leprosy.
- 3rd Paper .. Pathology and Bacteriology in relation to leprosy, Skin and venereal disease.
- 4th Paper .. General Medicine.

## Anaesthesiology :

- 1st Paper .. Basic Sciences as applied to anaesthesia.
- 2nd Paper .. Principles and practice of Surgery including preoperative assessment, Post-Operative care, resuscitation and management of shock etc.
- 3rd Paper .. Principles and practice of Anaesthesia including advances in Anaesthesia.
- 4th Paper .. Clinical Sciences other than Surgery, as related to Anaesthesia.

## Physical Medicine &amp; Rehabilitation :

- 1st Paper .. Basic Sciences applied to Physical Medicine & Rehabilitation.
- 2nd Paper .. Clinical Physical Medicine & Rehabilitation.
- 3rd Paper .. Major Allied Disciplines (Physical Medicine, Rheumatology and Rehabilitation including recent advances).
- 4th Paper .. 'Minor' Applied Disciplines.

o **B** *B sic* *Wec s*

## Anatomy :

- 1st Paper .. Surgery as applied to Anatomy.
- 2nd Paper .. Gross Human Anatomy including Radiological Anatomy and Forensic Anatomy.
- 3rd Paper .. Embryology Microscopic Anatomy.
- 4th Paper .. Applied Anatomy.

## Physiology :

- 1st Paper .. Subjects allied to Physiology and History of Physiology.
- 2nd Paper .. Systemic Physiology I
- (i) Nerve;
  - (ii) Muscle;
  - (iii) Neurophysiology;
  - (iv) Special senses;
  - (v) Endocrinology; and
  - (vi) Reproduction.
- 3rd Paper .. Systemic Physiology II :
- (i) Blood including Immunology;
  - (ii) Cardiovascular system;
  - (iii) Respiratory system;
  - (iv) Renal system;
  - (v) Gastrointestinal system;
  - (vi) Metabolism;
  - (vii) Nutrition; and
  - (viii) Environmental Physiology;
- 4th Paper .. Applied Physiology or Clinical Physiology.

## Pharmacology :

- 1st Paper .. Clinical Sciences as related to Pharmacology.
- 2nd Paper .. General Pharmacology and Bioassay.
- 3rd Paper .. Experimental Pharmacology.
- 4th Paper .. Applied Pharmacology and Toxicology.

## Pathology :

- 1st Paper .. Applied Pathology including Patho-Physiology.
- 2nd Paper .. General Principles of Pathology including Immunology.
- 3rd Paper .. Special Pathology including molecular Biology.
- 4th Paper .. Any one of the following subjects :
- (i) Haematology;
  - (ii) Immunopathology;
  - (iii) Cytology and Cytogenetics;
  - (iv) Experimental Pathology including Cancer Research.

## Microbiology :

- 1st Paper .. Applied Microbiology.
- 2nd Paper .. General Principles of Microbiology including Tissue Reactions to Microbial Infections.
- 3rd Paper .. Systematic Bacteriology, Mycology and Virology.
- 4th Paper .. Any one of the following subjects :
- (i) Bacteriology;
  - (ii) Immunology;
  - (iii) Virology;
  - (iv) Mycology;
  - (v) Parasitology.

## Pathology and Microbiology :

- 1st Paper .. Clinical Sciences as applied to Pathology and Microbiology.
- 2nd Paper .. General and Special Pathology.
- 3rd Paper .. Bacteriology Virology and Parasitology.
- 4th Paper .. Clinical Pathology including Chemical Pathology.

## Biochemistry :

- 1st Paper .. Clinical Sciences as related to Biochemistry.
- 2nd Paper .. Biochemistry of Metabolism.
- 3rd Paper .. Biochemistry of Hormones, Vitamins and Enzymes.
- 4th Paper .. Clinical Biochemistry.

## Biophysics :

- 1st Paper .. Medical Biophysics.
- 2nd Paper .. Elements of Biophysics.
- 3rd Paper .. Principal of Biophysical Chemistry.
- 4th Paper .. Cytophysics and Radiation Biophysics.

The amount of admission fee to be paid by a candidate for examination in Theory Papers, Oral, Clinicals, and Practicals and for the thesis shall be as prescribed by the Syndicate from time to time.

A candidate shall apply within nine months of registration to the Registrar for approval of subject of his thesis. Such applications shall be considered by the Faculty of Medical Sciences four times a year in the months of March, July, October and December.

This application shall be duly certified by the Head of the College/Institute in which the candidate is studying before it is sent to the Registrar.

The Head of the Department/College/Institute shall certify that all necessary facilities for supervision of the candidate's work will be provided. The thesis shall be on a subject connected with the Science and Practice of Medicine.

An application received after any of the above dates will be deemed to have been received on the following dates fixed above. For example, if an application is received after the 1st of January, it will be deemed to have been received on the 1st of April for purposes of consideration by the Faculty of Medical Sciences.

A candidate who is unable to apply for approval of the subject of thesis within the time allowed may apply for exemption of time, which may be granted :-

- (i) Up to one month .. By the Dean Faculty of Medical Sciences.
- (ii) Up to three months .. By the Vice-Chancellor.

In case a candidate fails to apply within nine months and the three months period of extension as admissible under the regulations and submits his synopsis after the period of one year, his training period would be extended by six months.

● In addition to the College/Institutes affiliated for the M.D. Course, the following Hospitals are recognised for carrying on research and preparation of thesis (not for training) :-

1. I.N.H.S. Ashvani Hospital, Bombay.
2. Air Force Hospital, Secunderabad.
3. Military Hospital, Bangalore.
4. Military Hospital, Calcutta.
5. Military Hospital, Namkum (Ranchi).

● The thesis shall conform to the requirements laid down in this Regulation and should be submitted at least six months before the commencement of the examination and accepted before the declaration of the final result. The consent of the external examiners appointed for evaluation of the thesis should be obtained sufficiently well in advance to avoid delay in evaluation.

● Every candidate shall submit :-

- (a) 3 copies of his thesis;
- (b) 3 copies of the original plan already submitted by him at the time of registration, to the Registrar through the Head of his College/Institute accompanied by
  - (i) A certificate from the supervisor testifying that the technique and statistics mentioned in the thesis were undertaken by the candidate himself.
  - (ii) A fee as prescribed by the Syndicate from time to time.

● The thesis shall be examined separately by two examiners appointed by the Syndicate, on the recommendation of the Faculty. They shall report whether the thesis is accepted, or rejected or the candidate be allowed to re-submit the thesis after revision. If the examiners disagree, Syndicate shall appoint a 'third' examiner who shall be an expert in the same speciality as the examiner-rejecting the thesis. The 'Third' examiner shall be appointed on the recommendation of the Dean of the Faculty of Medical Sciences. If the thesis is accepted, it shall be classified as accepted; commended, or highly commended, and the result will be communicated to the candidate. Every approved thesis shall become the property of the Panjab



University and may be placed in the Library of the College/Institute concerned. If the thesis is rejected the candidate may be required either to re-write the thesis or to take up another subject. The examiner rejecting the thesis shall point out in writing the defects and make suggestions for improvements and modifications, if a revision will render it acceptable. The revised thesis shall be submitted to the University not later than one year from the date of intimation of result accompanied by half the amount of the prescribed fee.

## C M C N M

The examination for the degree of Doctor of Medicine (D.M.) shall be held twice a year at Amritsar or Chandigarh in the months of March and September or on such other dates as may be decided by the Syndicate.

Every candidate for admission to the examination shall be required to produce the following certificates :-

- (i) of having passed at least two academic years previously, the M.D. in Group A examination from the Panjab University or from any other University recognised for this purpose;

or

M.R.C.P. examination from the University of London or the University of Edinburgh;

or

any other examination recognised by the Syndicate on the recommendation of the Faculty of Medical Sciences;

- (ii) of having subsequent to obtaining one of the degrees mentioned in (i) above, received training in an Institution approved by the Faculty of Medical Sciences for two academic years in the special field in which the candidate wishes to qualify.

Every candidate shall forward his application to the Registrar at least 12 weeks before the date fixed for the commencement of the examination, accompanied with admission fee as prescribed by the Syndicate from time to time. All applications received shall be considered by the Faculty of Medical Sciences and admission of each candidate will be decided by the Faculty. A candidate who is not accepted by the Faculty of Medical Sciences shall have no claim of any kind, but his admission fee will be refunded.

Every candidate shall be required to offer one of the following subjects for the degree of Doctor of Medicine (D.M.) :-

1. Chest Diseases.
2. Neurology.
3. Cardiology.
4. Tropical Diseases.
5. Gastroenterology.
6. Endocrinology.

or

7. Any other speciality approved by the Medical Faculty.

The examination in each subject shall consist of-

- (a) Theory papers .. two
- (b) Oral, Clinical and practical examination.

● The examination shall be conducted by a Board of 4 examiners appointed by the Syndicate on the recommendation of the Faculty of Medical Sciences.

The Board of examiners shall, in consultation, determine all details of the examination.

There shall be no thesis.

Provided that the candidates who seek admission after having passed M.R.C.P. examination from the University of London or the University of Edinburgh shall be required to submit a thesis/dissertation.

↘ The thesis/dissertation shall conform to the requirements laid down in this Regulation and may be submitted at any time within seven years but not earlier than six months from the date on which application was entertained.

The thesis/dissertation shall embody the result of the candidate's own research and/or experience and shall contain precise reference to the publications quoted, and must attain a good standard and shall be satisfactory in literary presentation and in other respects and should end with a summary embodying conclusions arrived at by the candidate. The thesis shall be typewritten on one side of the paper (size 11" x 8 ½") with margins of 1½" on each side, bound in cloth, indicating on the outside cover its title and the name of the candidate.

Every candidate shall submit—

- (a) 3 copies of his thesis/dissertation;
- (b) 3 copies of the original plan already submitted by him at the time of registration to the Registrar.

through the Head of his College/Institute, accompanied by :-

- (i) a certificate from the supervisor testifying that the technique and statistics mentioned in the thesis/dissertation were undertaken by the candidate himself.
- (ii) A fee as fixed by the Syndicate from time to time.

The thesis/dissertation shall be examined separately by two examiners appointed by the Syndicate, on the recommendation of the Faculty. They shall report whether thesis/dissertation is accepted or rejected or the candidate be allowed to re-submit thesis after revision. If the examiners disagree, Syndicate shall appoint a 'third' examiner who shall be an expert in the same speciality as the examiner rejecting the thesis/dissertation. The 'third' examiner shall be appointed on the recommendation of the Dean of the Faculty of Medical Sciences. If the thesis/dissertation is accepted, it shall be classified as accepted, commended, or highly commended, and the result will be communicated to the candidate. Every approved thesis/dissertation shall become the property of the Panjab University and may be placed in the Library of the College/Institute concerned. If the thesis/dissertation is rejected the candidate may be required either to re-write the thesis or to take up another subject. The examiner rejecting the thesis/dissertation shall point out in writing the defects and make suggestions for improvements and modifications, if a revision will render it acceptable. The revised thesis/dissertation shall be submitted to the University not later than one year from the date of intimation of the result accompanied by half the amount of the prescribed fee.

↘ A candidate whose thesis/dissertation has been accepted but who fails in the examination may be allowed to reappear in the subsequent examination, but his thesis/dissertation

shall not be evaluated again. He shall pay the admission fee as prescribed in Regulation 3.

As soon as is possible, after the examination, the Board shall report to the Controller of Examinations for publication of the result of the examination. Successful candidates shall be classified into lists as under :-

- |     |      |    |                  |
|-----|------|----|------------------|
| (a) | Pass | .. | Ordinary         |
| (b) | Pass | .. | with distinction |

Each successful candidate shall be granted a diploma.

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MA

Y M

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A person who has completed the training in an affiliated College/Institute as required in Regulation 3.1 and has failed in the examination may appear again in a subsequent examination without further training, and without submitting a new thesis.

The following shall be the various group of subjects for the examination :

- o **A** *C msc* *Wec s*
  1. General Surgery.
  2. Ophthalmology (Eye).
  3. Ear, Nose and Throat.
  4. Orthopaedics.

- o **B** *Non C msc* *Wec*  
Anatomy

The following shall be the titles for the four papers in each subject :-

- o **A- C msc** *Wec s*

Surgery :

- 1st paper .. Basic Sciences as applied to Surgery.
- 2nd paper .. Principles and Practice of Surgery.
- 3rd paper .. Surgical Pathology.
- 4th paper .. Operative Surgery.

Ophthalmology (Eye) :

- 1st paper .. Anatomy and Physiology including optics of the eye.
- 2nd paper .. General Ophthalmology including Surgery.
- 3rd paper .. Pathology of the Eye.
- 4th paper .. Ophthalmic Medicine.

Ear, Nose and Throat :

- 1st paper .. Anatomy and Physiology of Ear, Nose and Throat.
- 2nd paper .. Principles and Practice of Ear, Nose and Throat.
- 3rd paper .. Surgical Pathology and Operative Surgery of Ear, Nose and Throat.
- 4th paper .. Principles of General Surgery.

Orthopaedics :

- 1st paper .. Basic Sciences as related to Orthopaedics.
- 2nd paper .. Principles and Practice of Orthopaedics.
- 3rd paper .. Special Pathology and Operative Orthopaedics.
- 4th paper .. Principles of General Surgery.

## Anatomy :

- 1st paper .. Surgery as applied to Anatomy.
- 2nd paper .. Gross Human Anatomy including Radiological and Forensic Anatomy.
- 3rd paper .. Embryology and Microscopic Anatomy.
- 4th paper .. Applied Anatomy.

The amount of admission fee to be paid by a candidate for the examination in Theory papers, Oral, Clinicals and Practicals and for the thesis shall be as prescribed by the Syndicate from time to time.

A candidate shall apply within 9 months of registration to the Registrar for approval of the subject of his thesis. Such applications shall be considered by the Faculty of Medical Sciences four times in a year in the months of March, July, October and December.

This application shall be duly certified by the Head of the College/Institute in which the candidate is studying before it is sent to the Registrar.

The Head of the Department/College/Institute shall certify that all necessary facilities for supervision of the candidate's work will be provided. The thesis shall be on a subject connected with the Science and Practice of Medicine.

An application received after any of the above dates will be deemed to have been received on the following date fixed above. For example, if an application is received after the 1st of January, it will be deemed to have been received on the 1st of April for purposes of consideration by the Faculty of Medical Sciences.

A candidate, who is unable to apply for approval of the subject of thesis within the time allowed, may apply for extension of time, which may be granted :-

- (i) Up to one month : By the Dean, Faculty of Medical Sciences.
- (ii) Up to three months : By the Vice-Chancellor.

In addition to the Colleges/Institutes affiliated for the M.S. Course, the following Hospitals are recognised for carrying on research and preparation of thesis (not for training) :

1. I. N. H. S. Ashvani Hospital, Bombay.
2. Air Force Hospital, Secunderabad.
3. Military Hospital, Bangalore.
4. Military Hospital, Calcutta.

and shall be satisfactory in literary presentation and in other respects and should end with a summary embodying conclusions arrived at by the candidate. The thesis should be typewritten on one side of the paper (size 11"×8½") with margins of 1½" on each side, bound in cloth, indicating on the outside cover its title and the name of the candidate.

● Every candidate shall submit :-

- (a) 3 copies of his thesis;
- (b) 3 copies of the original plan already submitted by him at the time of registration.

to the Registrar, through the Head of his College/Institute, accompanied by :-

- (i) A certificate from the Supervisor testifying that the technique and statistics mentioned in the thesis were undertaken by the candidate himself.
- (ii) A fee as fixed by the Syndicate from time to time.

● The thesis shall be examined separately by two examiners appointed by the Syndicate, on the recommendation of the Faculty. They shall report whether the thesis is accepted, or rejected or the candidate be allowed to re-submit the thesis after revision. If the examiners disagree, Syndicate shall appoint a 'third' examiner who shall be an expert in the same speciality as the examiner rejecting the thesis. The 'third' examiner shall be appointed on the recommendation of the Dean of the Faculty of Medical Sciences. If the thesis is accepted, it shall be classified as accepted; commended or highly commended, and the result will be communicated to the candidate. Every approved thesis shall become the property of the Panjab University and may be placed in the Library of the College/Institute concerned. If the thesis is rejected, the candidate may be required either to re-write the thesis or to take up another subject. The examiner rejecting the thesis shall point out in writing the defects and make suggestions for improvements and modifications if a revision will render it acceptable. The revised thesis shall be submitted to the University not later than one year from the date of intimation of result accompanied by half the amount of the prescribed fee.

●● A candidate whose thesis has been accepted but who fails in the examination may be allowed to reappear in a subsequent examination, but his thesis shall not be evaluated again. He shall pay the admission fee as prescribed in Regulation 5.

↘ The examination shall be conducted by a Board of four examiners appointed by the Syndicate on the recommendation of the Faculty of Medical Sciences.

The Board of examiners shall determine in consultation with one another, all details of the examination.

The Board of Examiners shall report to the Controller of Examinations, for duplication, the result of the examination classifying the successful candidates as under :

- |     |      |    |                   |
|-----|------|----|-------------------|
| (a) | Pass | .. | Ordinary          |
| (b) | Pass | .. | With distinction. |

On receipt of the result from the Board of Examiners, the Controller of Examinations shall publish it as soon as possible. A candidate shall be declared successful only when he has passed the examination and the thesis has been accepted.

- 1 Each successful candidate shall be granted a Diploma.

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- (ii) Pre-Medical Certificate obtained after appearing in the examination as a private candidate i.e. other than as a regular student or a late college student.
- (iii) Pre-Medical certificate obtained after having passed the Pre-Engineering or equivalent examination unless marks obtained in Biology if added to the marks obtained in English, Physics and Chemistry at the Pre-Engineering examination are at least 48 per cent in the aggregate.

(a) A person who has passed the First B.D.S. examination of the Panjab University or an examination of any other recognised University in India considered equivalent for the purpose by the Syndicate on the recommendation of the Faculty of Medical Sciences, shall be eligible to join the Second B.D.S. class. However, a candidate who fails in the First B.D.S. examination in the April examination for the first time may be allowed to attend the next higher class until October next, but if he fails in the September examination, he shall revert to the First B.D.S. class.

(b) A candidate who has obtained :-

- (i) the M.B.B.S. degree of an Indian University; or
- (ii) any other medical qualification
- (iii) or has passed the subjects of Anatomy and Physiology of the First M.B.B.S. examination of the Panjab University shall be exempted from the First B.D.S. examination except in the subject of Dental Metallurgy.

(a) A person who has passed the Second B.D.S. examination of the Panjab University or an examination of any other recognised University, in India considered equivalent for the purpose by the Syndicate on the recommendation of the Faculty of Medical Sciences, shall be eligible to join the Third B.D.S. class.

(b) A candidate who has passed the subjects of Pathology and Material Medical at the :-

- (i) M.B.B.S. examination of an Indian University;

or

- (ii) any other medical qualification considered equivalent for this purpose by the Syndicate on the recommendation of the Faculty of Medical Sciences, shall be exempted from the subjects of General Pathology and Bacteriology only of the second B.D.S. examination.

(a) A person who has passed the third B.D.S. examination of the Panjab University or an examination of any other recognised University in India considered equivalent for the purpose by the Syndicate on the recommendation of Faculty of Medical Sciences, shall be eligible to join the Final B.D.S. class.

(b) A candidate who has :-

- (i) obtained the M.B.B.S. degree of an Indian University;

or

- (ii) obtained any other Medical qualification

considered equivalent for this purpose by the Syndicate on the recommendation of the Faculty of Medical Sciences, shall be exempted from the subjects of Medicine and surgery only of the Third B.D.S.

(a) Ten per cent of the total marks of a subject shall be allotted for class work which includes day-to-day work and periodic class examination, both written and oral.

(b) The class marks shall be included (i) in the clinical examination marks in the Final examination, (ii) in the Oral and Practical examinations marks in the First, Second and Third examinations and in the written examination marks in Dental Metallurgy etc. of the First B.D.S. examination.

Every candidate shall offer the following subjects :-

**FIRST EXAMINATION**

(ii) Operative Dentistry and Dental Radiology	100	$80 + 20 = 100$	200
(iii) Periodontia Oral Medicine and Diagnosis in Dentistry etc.	100	$80 + 20 = 100$	200
(iv) Dental and Oral Surgery and Anaesthesia	100	$80 + 20 = 100$	200
(v) Dental Prosthesis and Crown Bridgework.	100	$80 + 20 = 100$	200

Each written paper shall be of three hours duration.

## **BACHELOR IN DENTAL SURGERY**

*Bachelor of Dental Surgery (BDS) Course of 5 years effective from the 1<sup>st</sup> of July 2019*

The duration of the course of instructions for the degree of Bachelor of Dental Surgery (BDS) shall be five years.

There shall be four examinations viz., first, second, third and final. The first examination shall be held at the end of first year, the second examination at the end of second year, the third examination at the end of third year and the final examination at the end of fourth year.

After the final examination, there will be one year compulsory paid rotatory internship.

These examinations shall be held twice a year on suitable dates in the months of April/May and September/October or at such time as may be decided by the appropriate University authority from time to time.

The dates for receipt of examination admission forms with prescribed fees and with/without late fees as the case may be or the amount as determined by the competent authority from time to time will be notified by the University.

A person who has attained the age of 17 years, or more on 31st December of the year of admission and possesses one of the following qualifications shall be eligible to join the first year class of the Course after qualifying the entrance test :-

- (i) 10+2 examination of the Punjab School Education Board/CBSE, New Delhi with at least 50 per cent marks in the aggregate of Physics, Chemistry, Botany and Zoology, provided he has qualified in English of 10+2 standard.
- (ii) Any examination of another University/Board, recognised by the syndicate as equivalent to the 10+2 examination of Punjab School Education Board/CBSE, New Delhi with at least 50 per cent marks in the aggregate of Physics, Chemistry Botany and Zoology, provided he/she has qualified in English of 10+2 standard.

(a) A person who has passed the first B.D.S. Examination of the Panjab University or an examination of any other recognised University in India considered equivalent for the purpose by the Syndicate on the recommendations of the faculty of Lo29sics, Chemistrybd 3.01356 577588 exa

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A person who has passed the second B.D.S. examination of the Panjab University shall be eligible to join the third year B.D.S. Class.

A candidate who has passed the subjects of Pathology and Material Medica at the :-

(i) MBBS examination of an Indian University;

OR

(ii)

may be condoned by the Principal up to the extent of 5 per cent of the lectures actually delivered, demonstrations and Practicals actually conducted.

A candidate who has completed the prescribed course as laid down in these regulations and is unable to appear in the examination, or having appeared has failed, may be admitted to subsequent examination, as under, on payment of the prescribed fee on each occasion and on producing a certificate signed by the Principal of the Medical/Dental College in which he completed the course, that he has, subsequent to his last failure, attended a course of training in the subjects of the examination as the Principal may determine :-

For First examination : The candidate may be allowed to take the next three consecutive examinations, a candidate who is unable to qualify in all the three subjects in four consecutive chances, including the first chance to which he was originally entitled, shall not be allowed to continue his studies for the B.D.S. course.

Second, Third and Final examinations : One or more subsequent examinations.

The examination shall be held according to the syllabus prescribed by the appropriate University authority from time to time.

The medium of examination shall be English.

Ten per cent of the total marks in each subject of every examination shall be allotted for class work which includes day to day work and Periodic class examinations, both written and oral, 5 per cent shall form a part of the theory/written work and 5 per cent for clinical (in the case of clinical subject) or oral and practical in the case of more subjects in the First, Second, Third and Final year B.D.S. examinations.

Every candidate shall offer the subjects as determined by the Faculty of Medical Sciences from time to time.

The amount of examination fee to be paid by a candidate for :-

First, Second, Third and Final examinations	} shall be as prescribed by the competent University authority from time to time.
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The minimum marks required to pass each examination shall be :-

- 50 per cent in the written part of each subject;
- 50 per cent in the oral and practical/clinical parts of each subject.

A candidate who obtains pass marks in one or more subjects shall be exempted from re-appearing in such subjects, provided that :-

- in the case of first B.D.S. examination, he must qualify in all the three subjects within the period prescribed in Regulation 3.3;
- in the case of Second, Third and Final examinations he clears the whole examination within a period of two years from the time the candidate first appeared in the examination, failing which he shall have to appear in the whole examination once again.



The Controller of Examinations shall publish the result as early as possible after the termination of the examination.

Successful candidates who obtain 80 per cent marks in any subject shall be declared to have passed “with distinction” in that subject provided they pass, in all the subjects of the said examination, at one and the same time.

A successful candidate of the First/Second/Third examination shall be granted a Detailed Marks Certificate for each examination.

A successful candidate of the Final examination shall be granted degree only after completion of one year of compulsory paid rotatory internship.

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## MA N A L Y M

The duration of the course of instruction for the degree of Master of Dental Surgery (M.D.S.) shall be two years in an institution affiliated to the University in the Faculty of Medical Sciences for the M.D.S. Course.

The Master of Dental Surgery (M.D.S.) examination shall consist of Parts I and II and shall be held in the following specialities of which a student shall offer one :-

1. Pedodontics and Preventive Dentistry;
2. Orthodontics;
3. Prosthodontics and Crown and Bridge-work;
4. Periodontics;
5. Oral and Maxillofacial surgery;
6. Conservative dentistry;
7. Community dentistry;
8. Oral Pathology;
9. Oral Medicine and Radiology

A student who has passed M.D.S. Part I examination of the Panjab University shall be eligible to join Part II class of the M.D.S. course.

A student who possesses the qualifications prescribed in Regulation 2.1/2.2 and satisfies the following requirements duly certified by the Principal of a college affiliated to the University for the M.D.S. course, shall be eligible to appear in Part I/II examination :-

- (a) of having been on the rolls of the college throughout the academic year preceding the examination;
- (b) of having good character; and
- (c) of having completed the prescribed training to the satisfaction of the Heads of the Departments concerned; and
- (d) in the case of Part II of having qualified in the thesis.

A candidate who has completed the prescribed course and is unable to appear

- (iii) The Supervisor and the Head of the Department shall certify that they will provide necessary facilities for proper investigation and will supervise the candidate.
- (iv) Every candidate shall forward his thesis in triplicate to the Controller of Examinations through the Principal/Head of Dental Institution/ Department along with requisite fee (as determined by the Syndicate from time to time) supported by a certificate from the Supervisor/Head of the Department under whose supervision the research has been carried out certifying that the techniques and statistics mentioned in the thesis were undertaken by the candidate himself.
- (v) The thesis shall be typewritten and submitted not later than 2 months before the commencement of Part II examination. It shall conclude with a summary embodying conclusions arrived at by the candidate.

(b) In case a candidate desires to change the subject of his thesis at a later stage, he shall apply to the Board of Studies in Dentistry, for permission to do so.

(c) The thesis shall embody the result of the candidate's own experience of research, and shall be accompanied by precise reference to the publications quoted. In his thesis, the candidate shall indicate in what respects his contribution appears to him to advance the knowledge of practice of dentistry.

● Part I examination shall be conducted by a Board of examiners consisting of two internal and two external examiners nominated by the Syndicate on the recommendation of the Board of Studies in Dentistry.

● The thesis shall be examined separately by two examiners-one internal and one external- nominated by the Syndicate on the recommendation of the Board of Studies in Dentistry, who shall report as to whether the thesis shall be accepted or rejected. When the examiners disagree, the Syndicate shall appoint a third examiner on recommendation of the Board of Studies in Dentistry. If accepted, the thesis shall be classified as :-

- (a) accepted;
- (b) commended; or
- (c) highly commended.

If thesis is approved, the candidate shall be permitted to appear in Part II examination.

A thesis which has been accepted shall become the property of the Panjab University, and shall be placed in the library of the Dental institution where the candidate was enrolled for training in M.D.S. course.

● Part II examination shall be conducted by a Board of examiners shall be conducted by a Board of examiners, consisting of two internal and two external examiners, nominated by the Syndicate on the recommendation of the Board of Studies in Dentistry.

● As soon as is possible after the Part I examination, the Board of examiners shall report to the Controller of Examinations, the results of the examination for publication, and shall classify the successful candidates into two lists:

- (a) Pass.
- (b) Pass with distinction.

Each successful candidate shall be granted a certificate of having passed Part I examination.

As soon as is possible after the Part II examination the Board of examiners shall report to the Controller of Examinations, the results of the examination for publication and classify the successful candidates into two lists :

- (a) Pass.
- (b) Pass with distinction.

Each successful candidate shall be granted a certificate of having passed the Part II examination and shall be entitled to be admitted to the degree of Master of Dental Surgery (M.D.S.).

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**MA                      6                      Y MC**

The examination for the degree of Master of Chirurgery shall be held twice a year in the months of June/July and December/January or on such other dates as may be decided by the Syndicate.

Every candidate for admission to the examination shall be required to produce their following certificates :-

- (i) of having passed at least two academic years previously, the Master of Surgery or M.D. (Obst. Gynae.) examination from the Panjab University or from any other University recognised for this purpose;

or

F.R.C.S. examination from the Royal College of Surgeons of London or the Royal College of Surgeons of Edinburgh;

or

any other examination recognised by the Syndicate on the recommendation of the Faculty of Medical Sciences;

- (ii) of having subsequent to obtaining one of the degrees mentioned in (i) above, received training in an institution approved by the Faculty of

The Board of examiners shall, in consultation, determine all details of the examination.

There shall be no thesis.

Provided that the candidates who seek admission after having passed F.R.C.S. examination from the Royal College of Surgeons of London or the Royal College of Surgeons of Edinburgh shall be required to submit a thesis/dissertation.

The thesis/dissertation shall conform to the requirements laid down in this Regulation and may be submitted at any time within seven years but not earlier than six months from the date on which application was entertained.

The thesis/dissertation shall embody the result of the candidate's own research and/or experience and shall contain precise reference to the publications quoted, and must attain a good standard and shall be satisfactory in literary presentation and in other respects and should end with a summary embodying conclusions arrived at by the candidate. The thesis shall be typewritten on one side of the paper (size 11"x8½") with margins of 1½ on each side, bound in cloth, indicating on the outside cover its title and the name of the candidate.

Every candidate shall submit :-

- (a) 3 copies of his thesis/dissertation;
- (b) 3 copies of the original plan already submitted by him at the time of registration to the Registrar,

through the Head of his College/Institute, accompanied by :-

- (i) a certificate from the supervisor testifying that the technique and statistics mentioned in the thesis/dissertation were undertaken by the candidate himself.
- (ii) A fee as prescribed by the Syndicate from time to time.

The thesis/dissertation shall be examined separately by two examiners appointed by the Syndicate, on the recommendation of the Faculty. They shall report whether the thesis/dissertation is accepted or rejected or the candidate be allowed to re-submit the thesis after revision. If the examiners disagree, Syndicate shall appoint a 'third' examiner who shall, be an expert in the same speciality as the examiner-rejecting the thesis/dissertation. The 'third' examiner shall be appointed on the recommendation of the Dean of the Faculty of Medical Sciences. If the thesis/dissertation is accepted, it shall be classified as accepted, commended, or highly commended, and the result will be communicated to the candidate. Every approved thesis/dissertation shall become the property of the Panjab University and may be placed in the Library of the College/Institute concerned. If the thesis/dissertation is rejected the candidate may be required either to re-write the thesis or to take up another subject. The examiner rejecting the thesis/dissertation shall point out in writing the defects and make suggestions for improvements and modifications, if a revision will render it acceptable. The revised thesis/dissertation shall be submitted to the University not later than one year from the date of intimation of the result accompanied by half the amount of the prescribed fee.

A candidate whose thesis/dissertation has been accepted but who fails in the examination may be allowed to reappear in the subsequent examination, but his thesis/dissertation shall not be evaluated again. He shall pay the admission fee as prescribed in Regulation 3.

As soon as is possible, after the examination, the Board shall report to the Controller of Examinations for publication of the result of the examination. Successful candidates shall be classified into two lists as under :-

- |     |      |    |                   |
|-----|------|----|-------------------|
| (a) | Pass | .. | Ordinary          |
| (b) | Pass | .. | With distinction. |

Each successful candidate shall be granted a diploma.

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## N I L A C L Y M C A L C N C

A candidate for the degree of Doctor of Philosophy in the Faculty of Medical Sciences shall have obtained from this University, the degree of :-

- (i) Bachelor of Medicine and Bachelor of Surgery for Ph.D. in Medical subjects;  
or
- (ii) Master of Pharmacy for Ph.D in Pharmacy subjects;
- (iii) M.Sc. in subjects such as Microbiology, Pathology, Pharmacology, Bio-Chemistry, Bio-Physics, Physiology and Anatomy or any subject approved for the purpose by the University;
- (iv) M.D. or M.S. or M.R.C.P. or F.R.C.S., as the case may be for Ph.D. in Clinical Sciences.

The faculty of Medical Sciences may, however, allow a person who has obtained the degree required in Regulation 1.1 from another University to supplicate for Ph.D. degree.

Every candidate shall pursue research :-

1. (a) for a Medical subject, in a Medical College recognised for Ph.D. degree;
- (b)



A candidate may apply through the Head of the Department for permission to modify the title of his thesis. The application will be considered by the Board of Post-graduate Studies in Medical/Pharmaceutical Sciences and then by the Faculty.

After the expiry of one year's research work, a candidate may be allowed by the Head of the Medical College/University Pharmacy Department to continue his research work at some other approved centre if :-

- (a) facilities for further work do not exist at the Medical College/University Pharmacy Department; or
- (b) the Head of the College/Department 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, if necessary, to assess the progress made by him in his research work.

The Head of the College/Department 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.

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 this report as he considers suitable depending on the nature of the report and other circumstances of the case.

The Head of the College/University Pharmacy Department will ensure that every supervisor submits report on candidate's research work twice a years viz :-

- (a) Between October 16 and 31,
- (b) Between April 16 and 30.

Provided that :-

- (1) extension shall not be granted for more than a year at a time;
- (2)

- (b) No conjoint Research with the Supervisor shall be permitted in regard to the subject matter of the thesis. The thesis must consist of the candidate's own work which must be his personal achievement provided further that a candidate may submit as subsidiary matter in Support of his thesis any printed contribution for the advancement of his subject which may be published independently or conjointly. Where such subsidiary matter is submitted the candidate shall indicate specifically his personal contribution to such conjoint work duly attested by the supervisor;
- (c) The candidate shall declare in writing, duly countersigned by his Supervisor and Head of the Medical College/University Pharmacy Department that the thesis is not substantially the same as the one he may have already submitted to another University;
- (d) The greater portion of the work included in the thesis must have been done subsequent to his obtaining the basic qualification prescribed in Regulation.

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 the published thesis, one copy be placed in the Medical College/University Pharmacy Department 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. He may publish the preliminary work with the permission of the Head of the Institution.

The thesis shall be referred to two examiners appointed by the Syndicate on the recommendation of the Faculty of Medical Sciences and the Vice-Chancellor. 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 the Faculty up to a maximum of one year.

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.

A candidate who is required to resubmit his thesis must do so accompanied by half the amount of fee prescribed in Regulation 13.

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.

The examiners shall indicate in their report whether :-

The thesis is fit for publication by the candidate in its original or modified form. In the later case, they may make definite suggestions for improvement.

or

The thesis is of such an outstanding merit that the University should under take its publication at its own cost.

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 conducting the oral examination. Such a Board shall consist of three examiners appointed by the Vice-Chancellor of which the Head of the Medical College/ University Department 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.

A candidate whose thesis is rejected shall not be registered again for the Ph.D. degree with the same subject.

The reports of both the examiners on the thesis as well as of the other examiners for 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.

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C C NC c N, AC L Y M CAL C NC

Every candidate for the Degree of Doctor of Science shall have obtained not less than 10 years previously the M.B.B.S or M.Pharm. degree, or not less than five years previously the M.D. or M.S. degree or F.R.C.S. or M.R.C.P. :-

- (i) of the Panjab University, Lahore, before 1948;
- or
- (ii) of the Panjab University;
- or
- (iii) subject to the sanction of the Syndicate of any other recognised University provided he is a whole-time permanent teacher of any college affiliated to Panjab University.

Each candidate for the D.Sc. degree of this University shall submit a declaration that the work he is submitting has not already been submitted and shall not in future be submitted

**L M A N I A C L Y M C A L C N C**

- Diplomas in –
- (i) Gynaecology and Obstetrics (D.G.O.).
  - (ii) Clinical Pathology (D.C.P.).
  - (iii) Anaesthesiology (D.A.).
  - (iv) Child Health (D.C.H.).
  - (v) Tuberculosis and Chest Diseases (D.T.C.D.).
  - (vi) Dermatology, including Venereal Diseases and Leprosy.
  - \*(vii) Immunohaematology and Blood Transfusion.

The duration of the course of instruction for the following examinations shall be two academic years :-

- (i) Diploma in Gynaecology and Obstetrics (D.G.O.);
- (ii) Diploma in Clinical Pathology (D.C.P.);
- (iii) Diploma in Anaesthesiology (D.A.);
- (iv) Diploma in Child Health (D.C.H.);
- (v) Diploma in Tuberculosis and Chest Diseases (D.T.C.D.);
- (vi) Diploma in Dermatology, including Venereal Diseases and Leprosy; and
- (viii) Immunohaematology and Blood Transfusion.

These examinations shall be held twice a year, ordinarily in the months of July, and January, on such dates as may be fixed by the Syndicate.

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

A person who possesses one of the following qualifications shall be eligible to join a course for any one of the Diplomas mentioned in Regulation 1.1 :-

- (a) the Final M.B.B.S. degree of the Panjab University.
- (b) the Final M.B.B.S. degree of any other University recognised by the Medical Council of India.

A student who possesses the qualification laid down in Regulation 2 and produces the following certificates signed by the Principal of the Medical College or Dean of the Post Graduate Institute of Medical Education and Research, Chandigarh, affiliated to the Panjab University and approved for the Diploma course concerned shall be eligible to appear in the examination for that Diploma course :-

- (a) of good character;



(b) of having been enrolled in the College/Institute for two academic years.

A candidate who has completed the prescribed course but does not appear in or fails in the examination may be allowed to appear in the next consecutive examination without attending a fresh course. If he fails in that examination, he shall attend an additional course for a period of six months before being allowed to re-appear in the examination.

(iv)	Diploma in Child Health–		
	(a) Written papers :		
	(1) Anatomy, Physiology of Childhood Neonatal Paediatrics, growth and development, diet and nutrition, Psychological Paediatrics, Pathology and Bacteriology and Social and Preventive Paediatrics, including legislation and Public administration with regard to the care of children	..	100
	(2) Disease of infancy and childhood	..	100
	(b) Oral, practical and clinical	..	200
		Total	<u>400</u>
(v)	Diploma in Tuberculosis and Chest Diseases (D.T.C.D.)–		
	(a) Written papers :		
	(1) Tuberculosis and Chest Diseases Basic including, epidemiology, Pathology, Bacteriology, B.C.G. tuberculin, and prevention and control.	..	100
	(2) Tuberculosis and Chest Diseases clinical	..	100
	(b) Clinical, practical and oral	..	200
		Total	<u>400</u>
(vi)	Diploma in Dermatology including Venereal Diseases and Leprosy–		
	(a) Written papers :		
	(1) Anatomy, Physiology, Haematology Serology, Pathology, Bacteriology, Virology and Mycology in connection with the diseases of the skin and its appendages (including Leprosy) and Venereal diseases.	..	100
	(2) Diseases of the skin and its appendages (including Leprosy) and Venereal diseases	..	100
	(b) Clinical, practical and oral	..	200
		Total	<u>400</u>

## (vii) Diploma in Immunohaematology and Blood Transfusion–

## (a) Written papers :

(1) Applied Physiology and Clinical application of Blood Transfusion.	..	100
-----------------------------------------------------------------------	----	-----

(2) Immunology, Immunogenetics and Immunohaematology	..	100
------------------------------------------------------	----	-----

(b) Practical, Clinical and oral	..	200
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Total	..	<u>400</u>
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● The minimum number of marks required to pass the examination shall be 50 percent in (a) written and oral examination and (b) Clinical and practical examination, separately.

∇ A candidate who passes the examination at the first attempt and secures at least 80 per cent of the aggregate marks shall be declared to have passed with “distinction”.

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

Each successful candidate shall be granted a Diploma in the subject concerned.

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L M A N M C A L Y M L A Y N L Y A N  
L Y L ALM C M C N A N Y M

The duration of the course of instruction for the following examinations shall be two academic years :-

- (i) Diploma in Medical Radiology (D.M.R.);
- (ii) Diploma in Laryngology and Otology (D.L.O.); and
- (iii) Diploma in Ophthalmic Medicine and Surgery (D.O.M.S.).

The examination for each Diploma shall be divided into two parts (Part I and Part II) and the examination for each part shall be held twice a year, on such dates as may be fixed by the Syndicate as under :-

D.M.R.	..	Ordinarily in the months of July and October.
D.L.O. and D.O.M.S.	..	Ordinarily in the months of July and January.

There shall be an interval of three weeks between the end of Part I examination and the commencement of Part II examination to enable a candidate, who fulfils the conditions laid down in 3.1 and 3.2 to sit in both the examinations in the same month.

The dates of commencement of examination (Regulation 1.2) and the last dates for receipt of examination admission forms and fees for the examinations without and with late fee as fixed by the Syndicate from time to time, shall be notified by the Controller of Examinations.

A person who possesses one of the following qualifications shall be eligible to join a course for anyone of these Diplomas :-

- (a) The Final M.B.B.S. degree of the Panjab University;
- (b) The Final M.B.B.S. degree of any other University recognised by the Medical Council of India.

A student who possesses the qualification laid down in Regulation 2 and produces the following certificates signed by the Principal of the Medical College affiliated to the Panjab University and approved for the Diploma course concerned shall be eligible to appear in Part I examination of that Diploma Course :-

- (a) of good character;
- or
- (b) of having attended the prescribed course of instruction.

Additional requirements for D.M.R.

- (i) of having attended a part-time course of instruction in Physics as applied to Medical Radiology for three months; and
- (ii) of having attended along with (i), the department of Radiology of a teaching hospital attached to a medical college affiliated to this University for the diploma in Medical Radiology course to the satisfaction of the Head of the Department of Radiology.

A student who has passed Part I examination shall be eligible to appear in Part II examination if he produces the following certificates signed by the Principal of the College :

- (a) of good character; and
- (b) of having attended the prescribed course of instruction.

A candidate who has completed the prescribed course but does not appear or fails in the examination, may be allowed to appear in the next consecutive examinations without attending a fresh course. If he fails in that examination, he shall attend an additional course for a period of six months before he can be allowed to re-appear in the examination.

The fee to be paid by a candidate for each part shall be as fixed by the Syndicate from time to time.

The medium of examination shall be English.

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

The examination shall consist of :-

(i) Diploma in Medical Radiology :-

Part I Physics as applied to Medical Radiology	..	(i)	One theory paper of 100 marks.
		(ii)	A practical and oral examination of 100 marks.
Part II (a) Diagnostic Radiology	..	(i)	One theory paper of 100 marks.
		(ii)	A practical and oral examination of 100 marks.
(b) Radiotherapy	..	(i)	One theory paper of 100 marks.
		(ii)	A practical and oral examination of 100 marks.

Each candidate shall also be required to possess knowledge of Medical Sciences applied to Medical Radiology.

(ii) Diploma in Laryngology and Otology :-

(a) Written papers :-

(1) Anatomy and Embryology of the Ear, Nose and Throat	..	100 marks
(2) Physiology of Ear, Nose and Throat and Elementary acoustics	..	100 marks
(b) Oral and practical	..	200 marks
Total	..	<u>400 marks</u>

PART II-QUALIFYING EXAMINATION

- (a) Written papers :-
  - (1) Medicine of Ear

**L M A N M C A L A L Y A N M**

*o c o e n o f o r c e e f h e d i s s i o n s o f*

The examination for Diploma in Medical Radiology Diagnosis shall consist of two parts namely, Part I and Part II.

The examination in both parts will be held twice a year at a place or places as approved by the Syndicate. A candidate who has obtained the degree of M.B.B.S. before December can join the course from January without a house job and similarly a candidate who obtained the degree of M.B.B.S. before July can join the course from July without a house job. The examination will be held twice a year for Part I and Part II, Part I examination will be held (in January and June every year) after completion of one year and Part II examination will be held (in December and May) after completion of two years course. Supplementary examination will be held after 6 months of annual examination.

The last date by which admission forms and fee for Part I and Part II examination must reach the Controller of Examinations shall be six weeks before the date fixed for the commencement of the examination concerned. Provided the examination admission forms and fee shall be entertained after that with a late fee as fixed by the Syndicate from time to time, but not later than four weeks before the commencement of examination.

The examination fee for each part shall be as fixed by the Syndicate from time to time.

The examination in Part I shall be open to a person who :-

- (i) has obtained the degree of this University or equivalent degree of any other University recognised by the Medical Council of India.
- (ii) has been on the rolls of a Medical College affiliated to this University for Diploma in Medical Radiology (Diagnosis) Course for two years.

Provided that whole time extra work for six months by a candidate in the department as a Post-Graduate student/Registrar shall be equivalent to housemanship in Radiology for six months.

- (iii) has his names sent by the Principal of Medical College affiliated to this University for the D.M.R.D. (Diagnostic) course, attended by him and is certified by the Principal in respect of requirement in (i) and (ii) above; and
  - (a) of having attended a part-time course of instruction in Physics as applied to Medical Radiology for three months.
  - (b) of having attended alongwith (a) the department of Radiology of a teaching hospital attached to a medical college, affiliated to this University for D.M.R.D. Course to the satisfaction of Head of the Department of Radiology.
  - (c) of good moral and professional character.
  - (d) The work done by those already employed in State Medical Service or Armed Forces or other equivalent Service for a period of 5 years.

Provided that whole-time extra work for six months by a candidate in the department as a Post-Graduate student/Registrar shall be equivalent to housemanship in Radiology for 6 months;

- (iv) has his name sent by the Principal of Medical College affiliated to this University for the D.M.R.D. course, attended by him and is certified by



*P r II*

- |    |                    |                                                       |    |           |
|----|--------------------|-------------------------------------------------------|----|-----------|
| 1. | Written :          | (i) Diagnostic Radiology                              | .. | 100 marks |
|    |                    | (ii) Medical Sciences applied<br>to Medical Radiology | .. | 100 marks |
| 2. | Practical and Oral |                                                       | .. | 200 marks |

The medium of examination shall be English.

The minimum number of marks required to pass the examination shall be 50 per cent in (a) written and oral examination and (b) Clinical and practical examination separately.

A candidate who passes the examination at the first attempt and secures 80 per cent marks of the aggregate marks shall be declared to have passed with distinction.

As soon as possible after the examination, the controller of Examinations shall publish a list of candidates who have passed and each successful candidate of Part II examination shall be granted a diploma in Medical Radiology (Diagnostic).

The Diploma course in Medical Radiology under the old scheme shall be held for the last time in 1974 and after that for two years for failed candidates only.

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**L M A N M C A L A L Y 5 A Y M**

*o c o e n o f o r c e e f h e d i s s i o n s o f*

The examination for diploma in Medical Radiology (Therapy) D.M.R.T. shall consist of two parts namely, Part I and Part II.

The examination in both parts will be held twice a year at a place or places as approved by the Syndicate. A candidate who has obtained the degree of M.B.B.S. before December can join the course from January without a house job and similarly a candidate who obtained the degree of M.B.B.S. before July without a house job. The examination will be held twice a year for Part I and Part II. Part I examination will be held (in January and June every year) after completion of one year and Part II examination will be held (in December and May) after completion of two years of course. Supplementary examination will be held after 6 months of annual examination.

The last dates by which the admission forms and fees for Part I and Part II examinations must reach the Controller of Examinations shall be six weeks before the date fixed for the commencement of examination concerned.

Provided the examination admission form and fee shall be entertained after that with a late fee as fixed by the Syndicate from time to time, but not later than four weeks before the commencement of the examination.

The examination fee for each part shall be as fixed by the Syndicate from time to time.

- The examination in Part I shall be open to a person who :-
- (i) has obtained the degree of M.B.B.S. of this University or equivalent degree of any other University recognized by the Medical Council of India. .
  - (ii) has been on the rolls of a Medical College affiliated to this University for Diploma in Medical Radiology (Diagnosis) course for two years.
  - (iii) has his name sent by the Principals of Medical College affiliated to this University for the D.M.R.T. (Therapy) course, attended by him and is certified by the Principal in respect of requirement in (i) and (ii) above and :-
    - (a) of having attended a part-time course of instructions in Physics as applied to Medical Radiology for three months.
    - (b) of having attended alongwith (a) the department of Radiology of a teaching hospital attached to a Medical College affiliated to this University for D.M.R.T. course to the satisfaction of the Head of the Department of Radiology.
    - (c) of good moral and professional character.

The examination in Part II will be open to a person who :-

- (i) has passed Part I examination of D.M.R.T. or D.M.R.D. of this University;

- (ii) has his name sent by the Principal of Medical College affiliated to this University for the D.M.R.T. course attended by him and is certified by the Principal :-
- (a) of having attended for one academic year a course and lecture demonstrations in the Radiology Department of the college;
  - (b) of having attended for one academic year, Radio-therapy section of the Radiology Department of the hospital to the satisfaction of the Head of the Radiology Department of College;
  - (c) of a good moral and a professional character.

- No es*
- (A) A candidate may appear in Part I and Part II examinations at the same time if he fails in Part I, he shall be considered to have failed in both parts.
  - (B) The candidate shall have to pay fee for both the parts if he appears at the same time in Part I and part II examinations.
  - (C) A candidate possessing diploma in Medical Radiology (Diagnostic) shall be exempted from appearing in Part I examination for D.M.R.T.

A candidate who fails in Part I and II examination may be allowed to appear without attending a fresh course but such permission shall be granted only for the next following examination. If he/she fails a second time he/she must attend additional course of six months before he/she can be allowed to appear in the examination. He/she shall pay the same amount of admission fee for each time as prescribed in Regulation 3.

The syllabus shall be prescribed by the Senate from time to time.

The following shall be subjects of examinations :-

***P r I***

Physics as applied to Medical Radiology :-

- |                                       |    |           |
|---------------------------------------|----|-----------|
| (i) One theory paper                  | .. | 100 marks |
| (ii) A practical and oral examination | .. | 100 marks |

***P r II***

- |    |                    |                                                    |    |           |
|----|--------------------|----------------------------------------------------|----|-----------|
| 1. | Written :          | (i) Therapeutic Radiology                          | .. | 100 marks |
|    |                    | (ii) Medical Sciences applied to Medical Radiology | .. | 100 marks |
| 2. | Practical and Oral |                                                    | .. | 200 marks |

The medium of examination shall be English.

The minimum number of marks required to pass the examination shall be fifty per cent in (a) written and oral examination and (b) Clinical and practical examination separately.

A candidate who passes the examination at the first attempt and secures 80% marks of the aggregate marks shall be declared to have passed with distinction.

As soon as possible after the examination, the Controller of Examinations shall publish a list of candidates who have passed, and each successful candidate of Part II examination shall be granted a diploma in Medical Radiology (Therapy).

The Diploma course in Medical Radiology under the old scheme shall be held for the last time in 1974 and after that for two years for failed candidates only.

## MA C NC N A MAC L Y

The examination for the Degree of Master of Science in Pharmacology shall be held annually in two parts, 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, in the month of April, or on such other date as may be fixed by the Syndicate.

- (a) The last dates by which examination admission forms without late fee and with late fee for both Part I and Part II examinations must reach the Controller of Examinations shall be as fixed by the Syndicate from time to time.
- (b) The amount of examination fee to be paid by a candidate for each part shall be as fixed by the Syndicate from time to time.

The medium of examination shall be English. The examination shall be conducted by :-

- (i) Part-I One external and 1 internal examiner in each paper;
- (ii) Part-II (theory papers, practical and viva voce) a board of 4 examiners (2 external and 2 internal); and  
Thesis 1 external examiner.

The question papers shall be set only by the external examiners.

Every candidate shall be examined in theory papers, practical, viva voce and thesis, as prescribed in the Syllabus.

The examination for Part I shall be open to any student in an institution affiliated for M.Sc. Pharmacology course provided he produces the following certificates signed by the Head of the institution :-

- (i) of having been on the rolls of the institution for the academic year preceding the examination;
- (ii) of having passed one of the following examinations from this University (or any other examination recognized by the Syndicate of this University as equivalent thereto) :-
  - (a) B.Sc. degree in Anatomy, Physiology and Pharmacology;
  - (b) M.B.B.S. degree.
  - (c) B.V.Sc. degree.
- (iii) of having completed the prescribed course.

The examination in Part II shall be open to any student of an institution affiliated for the M.Sc. Pharmacology course, provided he produces the following certificates signed by the Head of the institution :-

- (i) of having remained on the rolls of the institution for the academic year preceding the examination;
- (ii) of having passed at least one academic year previously the M.Sc. Pharmacology Part I examination from this University;

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The minimum number of marks required to pass each examination shall be 50 per cent in (i) aggregate of written papers, (ii) practical and viva voce (combined) and (iii) thesis.



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- The medium of examination shall be English.

(ii)



Each successful candidate shall be granted a Certificate on qualifying in the First examination. B.Sc. degree will be awarded after qualifying in the Final examination, showing the division in which he has passed.

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## BACHELOR OF SCIENCE IN NURSING

The duration of the course for the degree of Bachelor of Science in Nursing including compulsory internship shall be four years, the first three years of which shall be divided into six semesters.

The examination for each Semester shall ordinarily be held in the month of November/December and April/May on such dates as may be fixed by the Syndicate. For failed candidates, a supplementary examination shall be held in the month of July/August or on such other dates as may be fixed by the Syndicate. A candidate who does not qualify in all the subjects of the preceding two semesters, even at the supplementary examination, but qualifies in 50% of the subjects in aggregate, shall have another chance of reappearing in the subjects in which the candidate has failed along with the current semester examination.

After a candidate has passed the Sixth semester examination, there shall be a compulsory internship of one year as described in Regulation 9.1.

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

A person who has passed one of the following examinations and has attained/ shall attain the minimum age of 17 years on December 31 of the year of admission shall be eligible to join the course:

- (a) 10+2 examination passed with Physics/Chemistry/Biology and English;
- OR
- (b) Any other examination recognized by the Panjab University as equivalent thereto.

The examination for the First Semester shall be open to a student who has passed the examination laid down in Regulation 2. The examination for Second/Third/ Fourth/ Fifth/Sixth Semester shall be open to a student who has qualified in the First/ Second/Third/ Fourth/Fifth Semester as laid down in these regulations. A candidate for an examination for any Semester shall produce the following certificates signed by the Principal of the Nursing College affiliated to the University for the degree of Bachelor of Science in Nursing :-

- (i) of having been on the rolls of the college during the Semester preceding the examination;
- (ii) of good character;
- (iii) of having attended not less than 75% per cent of lectures and practicals held in each of the subjects and 90% per cent of clinical practices in Nursing subjects in which she wishes to be examined; and
- (iv) of possessing good health.

The Principal of the college shall have authority to condone shortage in attendances at lectures and practicals to the extent of 10 per cent.

A candidate who, having attended the prescribed number of lectures and

practicals, fails to pass or present herself for the examination, may be allowed to appear in the next two consecutive semester examinations without attending a fresh course.

1 The amount of examination fee to be paid by a candidate for each semester examination shall be as fixed by the Syndicate from time to time.

A candidate on reappearing shall pay admission fee per subject in each semester examination subject to a maximum fee prescribed 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, as prescribed by the Syndicate from time to time, in which he was appearing.

2 Every candidate shall be examined in the subjects and syllabus prescribed by the Senate from time to time.

There shall be internal assessment in each subject, for which separate marks shall be reserved as under :-

- (a) each practical 50 per cent marks.
- (b) each theory paper 30 per cent marks.

in all the subjects of First and Second semester examinations. If the candidate does not clear First and Second semester examinations within the number of chances available to her, her result of Third semester examination shall be cancelled and she shall repeat the whole course of the semester in which she has not qualified.

- A candidate who fails in Third and Fourth semester examinations but qualifies

## M c N N

The duration of the course for the degree of Master of Science in Nursing shall be two academic years and the examination shall be divided into two parts viz.–Part I consisting of first and second semesters and Part II of third and fourth semesters. The examination for the first/third semester shall ordinarily be held in November/December and again in April/May of the following years along with second/fourth semester, on dates fixed by the Syndicate.

For failed candidates, a supplementary examination shall ordinarily be held in the month of July/August on a date fixed by the Syndicate.

The course for the degree of Master of Science in Nursing shall have four fields and a candidate shall offer one of them :-

- (i) Medical-Surgical Nursing;
- (ii) Community Health Nursing;
- (iii) Psychiatric Nursing; and
- (iv) Maternal and Child Health Nursing.

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

A person who has passed one of the following examinations with at least 50% marks in the aggregate shall be eligible to join first year (Part I) class of M.Sc. (Nursing) course :-

- (a) B.Sc. (Nursing) Post-Basic examination of the Panjab University;
- or
- (b) B.Sc. (Nursing) Basic examination of the Panjab University;
- or
- (c) Any other degree examination recognized by the Syndicate as equivalent to (a) or (b).

Provided she produces certificates :-

- (i) of possessing good health and minimum of two years' experience in Bed-side Nursing excluding the experience gained during the course of studies for various Nursing examinations or Public Health Nursing or Nursing Educational Institutions; and
- (ii) of being a registered nurse and mid-wife fully qualified for nursing of men, women and children.

The examination in the first semester of Part I shall be open to a student who :-

- (a) has passed not less than one semester previously, the requisite examination as laid down in regulation 2;
- (b) has remained on the rolls of the College affiliated for the M.Sc. (Nursing) course for one semester preceding the examination and submits the



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If a candidate qualifies in at least 50 per cent of the subjects of the first and second semesters, he shall be allowed to qualify in the remaining subject/s in the supplementary examination in July/August of the same year.

If he fails to qualify in the remaining subject/subjects in the supplementary examination,

A candidate for the degree of Doctor of Philosophy in the Faculty of Medical Sciences should have obtained from this University, the degree of :-

- (i) Bachelor of Medicine and Bachelor of Surgery for Ph.D. in Medical subjects;
- or
- (ii) Master of Pharmacy for Ph.D. in Pharmacy subjects;
  - (iii) M.Sc. of special subjects such as Microbiology, Pathology, Pharmacology or any subject approved for the purpose by the University;
  - (iv) Master of Nursing or Master of Science in Nursing or Master of Public Health (MPH) with B.Sc. Nursing, each candidate must have registration as a nurse in India.

The Faculty of Medical Sciences may, however, allow a person who has obtained the degree required in Regulation 1.1 from another University to supplicate for Ph.D degree.

Every candidate shall pursue research :-

1. (a) for a Medical subject, in a Medical College recognized for Ph.D degree;
- (b) for a Pharmacy subject, in the University Department of Pharmacy;
- (c) for a Nursing subject through a college of Nursing recognized for Ph.D. Degree.

or

2. at a centre approved for the purpose by the Faculty of Medical Sciences.

A person who wishes to be accepted as a candidate for Ph.D research shall, before starting research work apply through the Principal/Head of the Medical college/College of Nursing/University Department of Pharmaceutical Sciences as the case may be 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 he is found ineligible for enrolment in which case the fee may be refunded after a deduction of 25 per cent.

Application on the prescribed form for enrolment shall be considered by the University thrice 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.

A person who holds a scholarship awarded by the Panjab University, the University Grants Commission or similar other body, and all teachers shall, on being enrolled, be exempted from the fee prescribed in this regulation. Other persons, on enrolment, shall pay a fee per mensem as fixed by the Syndicate from time to time, to the University/Medical College/ College of Nursing as the case may be provided that exemption may be allowed in accordance with the rules as may be framed by the Syndicate.



Within six months from the date of enrolment, the candidate shall furnish through the Principal/Head of Medical College/College of Nursing/University Department of Pharmaceutical Sciences as the case may be :-

- (a) a tentative title of the thesis; and
- (b) a tentative design of research project.

The candidate may seek approval of the title of the thesis later but he shall submit the thesis not earlier than one year from the date of approval of the title. The Faculty may, however, relax this limit wherever it is considered necessary by the Principal/Head of the College of Nursing/University Department of Pharmaceutical Sciences, as the case may be.

Before forwarding the application required in Regulation 3.4 the Principal/Head of the Medical College/College of Nursing/University Department of Pharmaceutical Sciences as the case may be, will satisfy himself, after proper scrutiny and test, including viva voce of adequate general knowledge of the candidate in his special field of study. He shall also satisfy himself that the subject offered is one which can be pursued, with profit and that the candidate possesses the requisite qualifications, equipment and capacity for research.

While forwarding the application, the Principal/Head of the College/Department as the case may be shall also recommend a suitable supervisor, to guide the applicant in his research work. He may, however, if he considers necessary, recommend joint supervisors.

Applications for registration as well as approval of title, etc. (Regulation 3.4) after scrutiny by the Registrar's office, shall be forwarded for consideration to the Board of Post-graduate Studies in Nursing.

The Board of Post-graduate Studies in Nursing shall consider each application and recommend whether in their opinion :-

- (a) the subject proposed for research; and
- (b) the supervisor recommended;

are suitable and if so, they may recommend approval of the same. If, however, the Board considers that the subject and/or supervisor are not suitable, they may either reject the application or may suggest suitable changes for reasons to be recorded.

The title of thesis and the supervisor recommended by the Board of Post-graduate Studies in Nursing shall be considered by the Faculty of Medical Sciences which shall have power to co-opt any other expert for a particular meeting.

The decision of the Faculty shall be final.

The Faculty of Medical Sciences will decide whether or not the applicant be registered.

Every candidate shall pursue his research work for three years from the date of his enrolment. Thereafter, he shall submit the thesis by one of the following dates whichever falls immediately next to the expiry of three years :-

First term	..	July 31
Second term	..	October 31
Third term	..	January 31
Fourth term	..	April 30

Provided that the Faculty, may, on the recommendation of the Board of Post-graduate Studies in Nursing for reasons to be recorded, grant exemption for a period not exceeding one year to a candidate who already possesses M.D./M.S. degree and to research worker of good standing who has already carried out useful recognized work and allow him to submit his thesis after two years of enrolment and research or any period fixed by the Board but it shall not be less than two years from the date of enrolment.

A candidate may apply through the Principal/Head of College/Department for permission to modify the title of his thesis. The application will be considered by the Board of Post-graduate Studies in Nursing and then by the Faculty.

After the expiry of one year's research work, a candidate may be allowed by the Principal/Head of the Medical College/College of Nursing/University Department of Pharmaceutical Sciences as the case may be, to continue his research work at some other approved centre if :-

- (a) facilities for further work do not exist at the Medical College/University Department of Pharmaceutical Sciences/College of Nursing as the case may be; or
- (b) the Principal/Head of the College/Department as the case may be 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, if necessary, to assess the progress made by him in his research work.

The Principal/Head of the College/Department as the case may be 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.

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 this report as he considers suitable depending on the nature of the report and other circumstances of the case.

The Principal/Head of the Medical College of Nursing/University Department of Pharmaceutical Sciences, as the case may be, will ensure that every supervisor submits reports on 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 Principal/Head of the College/Department as the case may be to the Faculty for information and any action that the Faculty may consider necessary.

In the event of a difference arising between a candidate and Supervisor, the matter shall in the first instance be referred to the Dean of the Faculty. If the supervisor happens, to be the Dean, the matter shall be referred to the Board of Post-graduate Studies in Nursing, directly.

When the matter is referred to the Board, it will take a decision itself, after obtaining, if necessary, the advice of an expert. The decision of the Board shall be final.

If a supervisor gives unsatisfactory report on the work of a candidate, the position will be considered by the Board in order to decide whether the candidate should be allowed to continue his research for the Ph.D degree.

A candidate who is unable to complete his research work and thesis within the time allowed by these Regulations may apply, through his Supervisor and Principal/ Head of the College/Department concerned for grant of extension.

Extension may be granted by the Faculty 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.

Provided that :-

- (1) extension shall not be granted for more than a year at a time;
- (2) every application for grant of extension shall be accompanied by a fee as fixed by the Syndicate from time to time.

If the thesis is received after the prescribed period of five years, the Dean of the Faculty may condone delay, up to three months. The Vice-Chancellor may, on the individual merits of each case and on the recommendation of the Faculty grant extension to the extent he may deem necessary.

If a candidate fails to submit his thesis within the period allowed under Regulation 11.1, 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.

If the Supervisor of a candidate who has been guiding research work for Ph.D. degree of another University, is employed on the staff of the Medical College/University Department of Pharmaceutical Sciences/College of Nursing, the candidate doing research work under his supervision may be allowed to enroll himself 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 his enrolment in this University.

On completion of the research work and in accordance with the period allowed in these Regulations, the candidate shall submit four printed or typewritten copies of his thesis and shall comply with the following conditions :-

- (i) The thesis shall be accompanied by :-
  - (a) a fee as fixed 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 Ph.D. degree;
- (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 fact or theories, in either case it shall give evidence of the candidate's capacity for original research, critical examination and judgment;
- (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 of 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)

A candidate who is required to resubmit his thesis must do so accompanied by half the amount of fee prescribed in Regulation 13.

In case there is difference of opinion between the two examiners in regard to the acceptance of the thesis i.e. one recommends its acceptance and the other its rejection, the Vice-Chancellor may refer the thesis to another examiner who shall ordinarily be out of the approved panel. In case one examiner recommends the acceptance and the other its revision, the revised thesis shall be sent for evaluation to the examiner who recommends revision.

The examiners 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 is of such an outstanding merit that the University should undertake its publication at its own cost.

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 conducting the oral examination. Such a Board shall consist of three examiners appointed by the Vice-Chancellor of which the Principal/Head of the Medical College/University Department 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.

A candidate whose thesis is rejected shall not be registered again for the Ph.D. degree with the same subject.

The reports of both the examiners on the thesis as well as of the other examiners for 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.

The Controller of Examinations shall notify the result in accordance with the decision of the Syndicate.

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## L M A N A L A M N A N

The duration of the course leading to the Diploma in Hospital Administration shall be one year which shall extend over to two semesters.

The minimum qualifications for admission to the course shall be :-

Postgraduate Degree or Bachelor's Degree in any discipline with at least 50% marks in the aggregate and with not less than two years' administrative professional experience in hospital/health services.

Every candidate shall pay his examination fee for each semester at the time of admission to the course, alongwith other charges i.e. tuition fee etc., as prescribed by the Syndicate from time to time.

A candidate on reappearing shall pay examination fee per subject in each semester examination subject to a maximum of 1000/- in each semester (section fee for Syndicate shall be 310/-). (Howevr (A c 3.7402 Th., 360.0)Tjratsityin

The Head of the Department of Hospital Administration shall forward to the Controller of Examinations at least five weeks before the commencement of the examination for each semester, a list of the students who have satisfied the requirements of the regulations and are qualified to appear in the examination along with their admission forms and fees.

A student of the Department who, having attended the prescribed number of lectures, seminars, case discussions, Syndicate sessions, field trips, project work etc. does not appear in the examination of the first/second semester or having appeared in the examination has failed may be allowed to appear in the next consecutive examination without attending a fresh course of lectures, seminars etc.

Every student shall be examined in the subjects according to the syllabus prescribed by the Senate. Each paper will be of 50 marks out of which 10 marks shall be assigned for internal assessment in such manners as may be prescribed by the Board of Control. This would not apply to Internship Report presentation and viva voce (Paper No. III Semester 2). Internal assessment will be made by a committee consisting of all the teachers conducting the course jointly under the overall direction of the Heads of the Departments of Public Administration and Hospital Administration who shall forward the internal assessment marks to the Controller of Examinations at least one week before the commencement of examination.

The Head of the Department of Hospital Administration will preserve the records on the basis of which the internal assessment awards have been prepared for inspection, if needed by the University up to six months from the date of declaration of the results.

A student who is unable to clear the entire examination (both the semesters) in the course of two academic years shall not be allowed to continue his studies any longer or to reappear in the examination as a private candidate thereafter.

The medium of instructions and examination shall be English.

The minimum number of marks required to pass the examination for each semester shall be :-

- (i) 40 per cent in each written paper and internal assessment separately;
- (ii) 40 per cent in the Report presentation and viva voce;
- (iii) 50 per cent in the aggregate of each semester.

A student who fails in the examination but obtains at least 50 per cent marks in a written paper shall be deemed to have passed in that paper, and may be exempted from reappearing in that paper.

A student who is granted exemption under Regulation 10.1 may be allowed to continue studies in the second semester and may appear in such paper/s of the first semester in which, he has failed, along with the papers prescribed for the second semester in the next examination. If he does not pass in the remaining paper or papers of the first semester examination his result of the second semester examination shall be cancelled. However, he may be allowed to appear again as a late college student in the remaining paper or papers of the first semester in December next and repeat entire examination of the second semester in the next examination in April.

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

As soon as possible after the termination of the examination, the Controller of Examinations shall publish a list of the candidates who have passed.

Candidates who pass both the semesters of the examinations in first attempt obtaining 80 per cent or more marks of the aggregate of both the parts shall be declared to have passed with Distinction. All other successful candidates shall be classified as "pass".

There shall be a Board of Control for the purpose of co-ordination and control :-

- (i) The Head, Department of Public Administration Ex-officio.
- (ii) The Head, Department of Hospital Administration, P.G.I. - Ex-officio.
- (iii) Two members nominated by the Syndicate.
- (iv) Two members nominated by the Academic Committee, P.G.I.

Viva-voce will be conducted by a Committee consisting of the following :-

- (i) The Head, Department of Public Administration -Ex-officio.
- (ii) The Head, Department of Hospital Administration -Ex-officio.
- (iii) External examiner appointed by the Board of Control.

The functions and powers of the Board of Control shall be the same as in the case of B.Sc. Honours School course.

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**B c N , , ALM C , N**

The duration of the course for B.Sc. in Ophthalmic Techniques shall be three years. There shall be two semesters in each year. First semester shall ordinarily be from July to December and

- (c) A student shall be admitted to the third year of Course if he has earned a minimum of 48 credits in the first two years (56 credits in the case of students of Basic Medical Sciences). However, he/she must have obtained at least 50% of the credits assigned to the major subject for the first two years.
- (d) A student who has not completed the maximum number of credits required to be completed in a year shall be allowed to clear the papers (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% of the number of papers he is normally required to take. For example, in the third semester, if the regular load of student is 20 credits, he can take the reappear examinations for not more than 10 credits of the first semester.
- (e) having obtained 80 or more credits (96 or more in the case of students of Basic Medical Sciences) in the B.Sc. a candidate may seek the award of the B.Sc. Pass degree in case he wishes to discontinue the Course. The division in the case of such candidates shall be determined by the regulations as for the students taking into account the best of the 80 credits which he has obtained.
- (f) For the purpose of determining the division, aggregate marks obtained by the candidate in all the six semester examinations for all the subjects (major, subsidiary and practicals) shall be taken into account.
- (g)

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 date of entry and leaving the Course shall also be shown on the certificate of the Degree awarded to such candidates.

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11 A candidate who is short of the required attendance at lectures and/or practicals for the examination to be held in April, may, after making up the deficiency, appear in the examination to be held in September and avail of three further chances in the manner stipulated in Regulation 4.3.

1 Candidate shall have to pass each paper independently. However a candidate who has failed or does not appear in one or two paper/papers carrying 200 marks, of a course/ courses at the First/Second/Third B.Pharm. examination shall be eligible to appear in such a paper/papers as also in the Second/Third/Final examination as the case may be, subject to fulfilling the requirements as laid down in regulation 4. I. The result of the higher examination shall not be declared till the candidate has cleared all the papers of the lower examination.

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obtained by them in the First, Second, Third and Final examination taken together :-

- |     |                                                                    |    |                 |
|-----|--------------------------------------------------------------------|----|-----------------|
| (a) | Those who obtain 80% or more of the aggregate marks.               | .. | First Division  |
| (b) | Those who obtain 60% or more of the aggregate marks.               | .. | Second Division |
| (c) | Those who obtain 50% or more marks but below 60% of the aggregate. | .. | Third Division  |

The Controller of Examinations shall declare the result as soon as possible after the examination.

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## MA A MACY

The Duration of the course of instructions for the degree of Master of Pharmacy shall be of eighteen months comprising three semesters.

A person who holds valid GATE score and has passed one of the following examinations shall be eligible for admission to the first semester of Master of Pharmacy course.

- (a) B. Pharmacy examination of the Panjab University;
- (b) An examination of another University recognised by the Syndicate as equivalent to (a).

The examination shall consist of three semesters :-

Semester I : at the end of an academic term of six months involving theory and laboratory courses.

Semester II : at the end of second academic term of six months including theory courses and presentation of a seminar

Semester II :

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## GROUP-B (Pharmaceutical Chemistry)

Paper I : Advanced Organic Chemistry  
Practical : Pharmaceutical Chemistry Laboratory

## GROUP-C (Pharmacology)

Paper I : Advanced Pharmacognosy  
Practical : Pharmacognosy Laboratory

## GROUP-D (Pharmacology)

Paper I : Clinical Pharmacology and Drug Therapy  
Practical : Pharmacology Laboratory

(b) The examination in M.Pharm. Semester II shall consist of two theory papers out of





The subject of the thesis shall be approved by the Board of Postgraduate Studies in Pharmaceutical Sciences. Each student shall submit three typed/reprographed copies of the thesis, incorporating the result of investigations within three months of the expiry of the duration of the course envisaged in Regulation 3.1 or passing of M.Pharm. I & II Semester examinations whichever is later.

Provided that the Dean of University Instruction may give extension in submission of thesis up to a maximum of three months.

The evaluation of a thesis for Semester III examination shall be done by a lionnT3I(5.emester)'h376931 a

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  A candidate for the degree of Doctor of Philosophy in the Faculty of

- The Faculty shall decide whether or not the applicant be registered.

The candidate may apply through his supervisor and the Chairman for permission to modify the title of his thesis. The applications shall be considered by the Board in the first instance and then by the Faculty.

The candidate shall pursue his research work for three years. In case he is unable to complete his research work and thesis within this period, he may apply through his supervisor and the Chairman for grant of extension.

Extension may be granted by the Faculty up to a maximum of two years.

Provided that :-

- (1) extension shall not be granted for more than one year at a time; and.
- (2) every application for the grant of extension shall be accompanied by a fee as prescribed by the Syndicate from time to time.

After the completion of one year's research work, a candidate may be allowed by the Chairman to continue his research work at some other approved centre if :-

- (a) Facilities for further work do not exist at the University Institute.

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On completion of the research work and in accordance with the period allowed in these Regulations, the candidate shall submit four printed, typewritten or reprographed copies of his thesis and shall comply with the following conditions :

- (i) The thesis shall be accompanied by–
  - (a) a fee as fixed 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 and that the thesis is worthy of consideration for the award of Ph.D. degree.
- (ii) The thesis must be a piece of original research work characterized either by the discovery of new facts or 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 judgment;
- (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 of 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/Institution.
- (b) No conjoint Research with the Supervisor shall be permitted in regard to the subject matter of the thesis.

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/s to him by the University. Special extension may be given by the Dean of the Faculty up to a maximum of one year.

● The 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.

● A candidate who is required to resubmit his thesis must do so accompanied by half the amount of fee prescribed in Regulation 6.3.

● 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.

● Except in the case of a thesis which is rejected, viva voce shall be held. The examiners of the thesis may send if they so desire, along with their reports, questions for use by a Board constituted for conducting the oral examination. This Board shall consist of three examiners appointed by the Vice-Chancellor of which the Chairman and the supervisor of the candidate shall be members. If two out of three members of the Board are present, the viva voce shall be conducted provided that one of them is the external examiner.



## L MA N<sub>1</sub> A MACY AN

The course of instruction for the Diploma in Pharmacy and Dresser's Course shall consist of :

- (a) academic training of two years' duration with a minimum of 180 working days of 5 periods of not less than 50 minutes each, in the 1st year, and 6 periods of not less than 50 minutes each, in the 2nd year, including sessional examination;
- (b) practical training in Pharmacy of not less than 750 hours covered in not less than three months, and 3 months' hospital attendance in Surgical department.

The course for this Diploma shall be divided into two parts (Preliminary and Final) and the examination for each Part shall be held twice a year in the months of June and September, on dates fixed by the Syndicate.

The dates of commencement of examinations (Regulation 1.2) and the last dates for receipt of examination admission forms and fees for the examinations without and with late fees as fixed by the Syndicate from time to time, shall be notified by the Controller of Examinations.

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

- (i) Matriculation with Science or Physiology and Hygiene as one of the subjects;
  - (ii) Higher Secondary with Science Group;
  - (iii) Pre-University with Science Group;
  - (iv) any other examination of this or another University/Board recognised as equivalent for this purpose by the Syndicate.
- (i) A student who has passed the Preliminary examination of Diploma in Pharmacy and Dresser's Course of the Panjab University shall be eligible to join the final year class.
  - (ii) A student who has passed the Pre-Medical/Pre-Engineering examination of the Panjab University shall also be eligible to join the final year class subject to his passing the Preliminary examination in the subjects in which he has not passed the Pre-Medical/Pre-Engineering examination.
  - (iii) A candidate who has completed the prescribed course in the preliminary examination but does not appear or has failed in the annual examination shall also be allowed to join the second year class pending the declaration of the result of the supplementary examination but if he fails, he shall revert to the first year class.

A student who possesses the qualification laid down in Regulation 2 and produces the following certificates signed by the Principal of the College affiliated to the Panjab University for this course shall be eligible to appear in the Preliminary/Final examination as the case may be :

- (a) of good character;

- (b) has been enrolled during one academic year preceding the examination in a college affiliated for the Diploma in Pharmacy and Dresser's course;



Each lecture period and practical period shall consist of actual teaching or practical work of not less than 50 minutes.

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After the completion of the regular course, a candidate shall undergo a practical training in a recognised institution/Hospital, Pharmacy or Dispensary- for not less than 750 hours covered in not less than 3 months. During this course of training the candidates shall acquire—

1. a thorough knowledge of the keeping of records required by the various laws relevant to the professional Pharmacy; and
2. experience in—
  - (a) the manipulation of Pharmaceutical apparatus in common use :
  - (b) the recognition, by sensory characters of chief crude drugs and chemical substances used in medicine;
  - (c) the reading, translation and copying of prescriptions, including the checking of doses;
  - (d) the dispensing of prescriptions illustrating the commoner methods of administering medicaments; and
  - (e) the storage of drugs and medicinal preparations.
3. Surgery

Every candidate shall be required to take the following subjects for the Final examination. (The examination in each subject shall consist of a theory paper and a practical carrying marks as shown below) :

Subjects of examination		Total marks for theory including sessional marks	Total marks for practical including sessional marks	Oral examina- tion marks
General Pharmacy	..	50	50	..
Dispensing Pharmacy	..	50	100	..
Forensic Pharmacy	..	50	..	..
Pharmaceutical Chemistry including General Organic Chemistry	..	100	100	..
Pharmacognosy	..	50	50	..
Pharmacology	..	50	50	..
Surgery including general nursing and ward-work (Surgical)	..	50	30	20
		400	330	20

The examination for each subject shall be of three hours' duration.

A regular record of both theoretical and practical class-work and examinations conducted in an institution imparting training for this course shall be maintained for each student and 30 per cent of the total marks for each subject in theory and 40 per cent of the total marks for each subject in practical shall be allotted for these records.

The sessional marks shall be calculated on the basis of the average of the marks secured in the examinations held during the year which shall not be less than three in number.

The minimum number of marks required to pass the examination shall be 40 per cent in theory papers and 40 per cent in practicals and 45 per cent in aggregate (written and practical) of each subject. In the subjects in which there is no practical examination, the pass marks in theory papers shall be 45 per cent.

A candidate who appears in all the subjects but fails in not more than two subjects in the Preliminary examination may, at his option take the examination in the subjects in which he has failed, or in all the subjects of examination. Provided, however, he must pass in all the subjects prescribed for the examination in four consecutive examinations including the examination in which he first appeared.

A candidate who is unable to clear the examination within four consecutive chances, commencing with first examination of his own class, shall not be allowed to continue his studies for this course.

A candidate who fails in the Final examination may, at his option, take the examination in the subjects in which he has failed or in all the subjects of examination.

A candidate who is unable to clear the whole examination even in four consecutive attempts shall have to appear in the subsequent examination in all the subjects.

A candidate who fails in the Final examination must attend the class for both practical and theoretical subjects to the satisfaction of the Principal/Head of the department before he is permitted to sit for the next examination.

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

A successful candidate who passes in all the subjects at the same examination and obtains not less than 75 per cent marks in a subject shall be declared to have passed with distinction in that subject.

A certificate of having passed the Final examination for Diploma in Pharmacy and Dresser's Course shall be granted to a successful candidate only after he has produced evidence of having duly completed not less than 750 hours' practical training in Pharmacy and three months' hospital attendance in Surgical department both of which can be done concurrently and covered in not less than three months in a recognised Institution to the satisfaction of the Head of the Institution in which he has undergone his academic training.

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**B A C H L O R A N A**

The duration of the course for the degree of Bachelor of Arts (Fine Arts) shall be three years. There shall be three examinations, viz., Part I at the end of the first year, Part

† A student who having attended the prescribed number of seminars and practicals, does not appear in Part I/Part II/Part III (Final) examination, or having appeared in the examination, fails, may be allowed to appear as a late college student, in the examination concerned in the next examination and the one after the next.

† The examination fee to be paid for each Part for a regular student and for an ex-student shall be as fixed by the Syndicate from time to time.

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

† Marks in the internal assessment (based on home work and periodical tests) shall be forwarded by the Head of the University Department/Principal of the college to the Controller of Examinations in a consolidated statement, before the commencement of the annual University examination.

● † The minimum number of marks required to pass the examination shall be—

- (a) 50 per cent in the internal assessment;
- (b) 33 per cent in the written paper of each subject; and
- (c) 50 per cent in the sessional work of each subject.

● Subject to the provisions of Regulation 7, a candidate who fails in the examination but obtains in a subject or subjects the minimum marks as laid down in Regulation 6.1, shall be exempted from appearing in such subject or subjects for the next two examinations. For the remaining subjects, a supplementary examination will be held ordinarily in the month of September of the same year.

If a candidate does not pass in the remaining subject or subjects in the next two examinations, he must repeat the entire examination.

A candidate appearing in one or more subjects under this regulation shall pay admission fee for the whole examination as prescribed in Regulation 4.

A candidate who is not successful in Part I examination in two consecutive years shall not be allowed to continue his studies for this course.

† The Controller of Examinations shall publish the result of the examination as soon as possible after the termination of the examination.

The successful candidates shall be classified into two divisions as under :

- (i) those who obtain 60 per cent or more of .. First Division.  
thSentidivision.

## **B A C H L O R     N O T     A**

The duration of the course leading to the degree of B.F.A. (Painting), B.F.A.(Applied Arts), B.F.A.(Sculpture) and B.F.A.(Graphics Print Making) shall be four years. All the four annual examinations for the Bachelor of Fine Arts (BFA) degree course shall be conducted by the Panjab University. These examinations will be held once a year ordinarily in the month of April or on such dates as may be fixed by the Syndicate.

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

(a) A candidate who has passed one of the following examinations shall be eligible to join the course :-

- (i) Pre-University examination of this University or Higher Secondary examination of the Board of School Education of Punjab or Haryana or Himachal Pradesh or of the Central Board of Secondary Education, Delhi, with at least 40 per cent marks in the aggregate.
- (ii) Any other examination recognised by the Syndicate as equivalent to (i) above with at least 40 per cent marks in the aggregate.

(b) In addition to the condition laid down in 2.1 (a) a candidate must pass such test or tests, written and/or practical and/or oral as may be prescribed by the Principal.

Each candidate shall also be required to qualify in the subjects of English and Hindi or Panjabi (Elective subject) according to the syllabus of B.A. Part I Examination of this University. The Examination in these subjects will be held by the College within the duration of the Course. A candidate who does not pass the examination in any of these subjects may not be detained if otherwise eligible for promotion to the next higher class. A successful candidate of the B.F.A. examination shall be awarded the Degree after he has qualified in the above mentioned subjects.

Provided that a candidate who has passed the B.A. Part I, Part I, a006447ie who801 -12.dion shall be20003 Tc 9c 12

- (b) Product - 30%
- (c) Attitude - 15%.
- (d) Understanding - 25%.

The remaining 55% marks for sessional work, based on the submission for portfolios shall be awarded after the holding of a viva voce examination by a Committee consisting of the subject teacher concerned, the Principal and one external subject expert.

The marks awarded by the subject teacher concerned may be moderated by a committee of three members consisting of the subject teacher concerned and the Principal or his representative and one more expert appointed by the Principal each year.

A candidate who has obtained a minimum of 45% marks in the practical of each subject and has obtained not less than 20 per cent marks in theory papers may be admitted to a supplementary examination of the same year or alongwith his annual examination of the higher class simultaneously. Such a candidate will be required to pay the examination fee per subject as prescribed by the University from time to time as fee for the supplementary as well as for annual examination. If he does not clear the theory paper/s concerned in the supplementary examination or alongwith the annual examination (or the next higher class) he shall revert to the lower class. However, a candidate who does not obtain pass marks in any of the practical papers will be declared fail in the examination and shall be required to rejoin the course of study afresh for one academic year in order to become eligible for appearing at the examination in a subsequent year, if otherwise eligible.

A candidate will be eligible to join the Final year class of the course only after he has passed all the three annual promotion examinations and the Second year Foundation Course examination.

The Second year and Final year examination shall be open to a candidate who possesses the qualifications as laid down in Regulations 1.2 and 3.1 and produces a certificate signed by the Principal of the college :-

- (a) of having been on the rolls of the college affiliated for the course during the academic year preceding the examination.
- (b) of having obtained not less than 50% marks of the total aggregate marks for sessional work in all practical subjects.
- (c) of having attended not less than 66% of the lectures and practicals in each subject delivered during each year of the course of study. Educational Trips/Tours to historical and other places of Educational interest organized by the college for each course of study shall count towards lectures/practical and exemptions from these trips will be given by the Principal only in exceptional circumstances to be recorded.

A deficiency in lectures and practicals may be condoned by the Principal of the affiliated college up to 5 per cent in each subject of theory/practical separately

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

In the case of Second year Foundation Course and Final year examination the sessional marks awarded shall be forwarded by the Principal of the college to the University on the prescribed form at least 10 days before the commencement of the University examination.

The minimum marks required to pass each examination to be held at the end of each year shall separately be 35% in each written paper and 45 per cent in practical paper consisting of sessional and examination marks taken together.

The final result will be compiled on the aggregate marks obtained in the Second year Foundation Course examination and Final year examination taken together.

∞ The successful candidates shall be classified as under :-

- (i) Those who obtain 75 per cent or more of the aggregate marks, shall be placed in the First Division with Distinction.
- (ii) Those who obtain 60 per cent or more but less than 75 per cent of the aggregate marks shall be placed in First Division.
- (iii) Those who obtain 50 per cent or more but less than 60 per cent of the aggregate marks shall be placed in the Second Division.
- (iv) Those who obtain less than 50% of the aggregate marks shall be placed in the Third Division.

∞ A candidate who does not clear the Final examination within a period of seven years of his admission to the First year shall not be allowed to continue his studies for B.F.A.

∞ The Controller of Examinations shall publish the examination result as soon as it is possible after the termination of Final year Examination.

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## **B A C H E L O R     O F     F I N E     A R T S**

*Bachelor of Fine Arts*

The duration of the course leading to the degree of B.F.A. (Painting), B.F.A. (Applied Arts), B.F.A. (Sculpture) and B.F.A. (Graphics Print Making) shall be four years. All the four annual examinations for the Bachelor of Fine Arts (BFA) degree course shall be conducted by the Panjab University. These examinations will be held once a year ordinarily in the month of April or on such dates as may be fixed by the Syndicate.

The last date for receipt of examination admission form and fee without late fee

- (b) of having obtained not less than 50% marks of the total aggregate marks of sessional work in all practical subjects.
- (c) of having attended not less than 66% of the lectures and practicals in each subject delivered during each year of the course of study. Educational Trips/Tours to historical and other places of Educational interest organized by the college for each course of study shall count towards lectures/practicals and exemptions from these trips will be given by the Principal only in exceptional circumstances to be recorded.

A deficiency in lectures and practicals may be condoned by the Principal of the affiliated college up to 5%.

The fee for the First Year Examination and the Final Year Examination shall be as prescribed by the Syndicate for each examination.

- The examination shall be held in accordance with the Syllabus approved by the Senate.

The medium of examination shall be English/Hindi/Punjabi.

In the case of all Four Annual Examination, the sessional marks awarded shall be forwarded by the Principal of the College to the University on the prescribed form at least 10 days before the commencement of the University examination.

The minimum marks required to pass each examination to be held at the end of each year shall separately be 35% in each written paper and 45% in practical paper consisting of sessional and examination marks taken together.

The final result will be compiled on the aggregate marks obtained in the First Year Examination, Second Year, Third Year and the Final Year Examination taken together.

∑ The successful candidates shall be classified as under :-

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

A candidate who does not clear the Final Examination within a period of six years of his admission to the first year shall not be allowed to continue his studies for Bachelor of Fine Arts.

The Controller of Examinations shall publish the result four weeks after the termination of the each Annual Examination or as soon as possible.

**M A L C N A L MA**  
**XAM NA N C N C BY NM N C LL A G AN A**

A person who has passed the Diploma examination from the Government College of Arts, Chandigarh, between 1978 and 1982, shall be eligible for the award of Degree of B.F.A. (Painting), B.F.A. (Applied Art), B.F.A. (Sculpture) and B.F.A. (Graphics-Print Making) on clearing two other examinations the qualifying examination and the Differential examination, which will be held in the months of April and December, every year, on a date fixed by the Syndicate. A candidate shall be given two consecutive chances for each of these examinations.

Provided that a person who already has passed the Pre-University examination of this University or an equivalent examination, will be exempted from taking the qualifying examination as specified in this Regulation.

Each candidate shall also be required to qualify in the subjects of English and Hindi or Panjabi (Elective subject) according to the syllabus of B.A. Part I examination of this University. The examination in these subjects will be held by the College within the duration of the course. A successful candidate of the B.F.A. examination shall be awarded the Degree after he has qualified in the above mentioned subjects.

Provided that a candidate who has passed the B.A. Part I, Part II or Part III examination or any other examination recognised by the Syndicate as equivalent thereto with English and Hindi or Panjabi or History of India will be exempted from taking the College Examination in the subject/subjects concerned.

In case of foreign students and students whose mother-tongue is other than Hindi or Panjabi will be required to pass in the subjects of English and History of India, according to the syllabus of B.A. Part I examination.

The fee for the qualifying examination shall be the same as for the Pre-University examination of this University and for the Differential Examination, it will be as prescribed by the Syndicate from time to time.

Candidates who have passed the Matriculation examination shall have to appear in the Qualifying examination, which shall be conducted by this University according to the syllabus of Pre-University examination. The candidates shall be required to offer any four subjects out of any group. There shall be no minimum pass marks in any paper but for passing the examination, a candidate shall be required to obtain a minimum of 40% marks in the aggregate of all the papers. The qualifying examination will be held at such time and date as may be fixed by the Syndicate.

The Differential examination shall be conducted by this University at such time and date as may be fixed by the Syndicate.

This Differential examination will consist of :-

- (i) One paper in Theory .. History of Art according to the syllabus of B.A. Part-III of Panjab University.  
Marks : 200 Time : 3 Hours.

- (ii) One paper in Practical .. Composition in the subject concerned (Painting/Sculpture/Graphics-Print-Making) or Poster (in case of Applied Art) according to the syllabus of Final year of Bachelor of Fine Arts Examination.  
Marks : 400 Time : 3 Hours.

The minimum pass marks will be 35% in Theory and 45% in Practical.

The candidates shall be required to surrender the Diploma at the time of submitting the examination admission form for the Differential Examination.

The marks obtained by the candidates in various subjects of the Diploma Examination will be supplied by the Principal of the college to the University Office and the degree of B.F.A. will be awarded on the basis of the consolidated result of the Diploma Examination and the Differential Examination.

- Each successful candidate shall be classified as under :-
  - (i) Those who obtain 75 per cent or more of the aggregate marks shall be placed in the First Division with Distinction.
  - (ii) Those who obtain 60 per cent or more but less than 75 per cent of the aggregate marks shall be placed in the First Division.
  - (iii) Those who obtain 50 per cent or more but less than 60 per cent of the aggregate marks shall be placed in the Second Division.
  - (iv) Those who obtain less than 50% of the aggregate marks shall be placed in the Third Division.

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A candidate shall not be eligible for B. Architecture Degree, unless he obtains a pass grade in the prescribed practical training, which shall be decided by a Committee of Examiners appointed by the Principal, Chandigarh College of Architecture and the result sent to the University Office for declaration. The candidates whose work is not found to be satisfactory may be allowed to repeat the practical training after the tenth semester.

A student who possesses the qualifications laid down in Regulation 2, and has been enrolled in a college affiliated for this course during the Semester preceding examination of each semester may be allowed to appear in the examination of the semester concerned if he produces the following certificates signed by the Principal of the college :-

- (a) of good character; and
- (b) (i) of having attended not less than 66 per cent of the lectures, tutorials, laboratory and practical work (wherever prescribed) for each of the subjects except those involving Studio-work, viz., Architectural Design, Building Construction, Graphics & Sculpture, Architectural Drawing and Thesis.

Provided that a candidate who falls short of prescribed attendance in not more than two subjects may be permitted to appear in the next examination in those two subjects only after he has completed the requisite attendance in those two subjects. Lectures shall be counted up to seven days before the date of commencement of examination.

- (ii) of having completed the prescribed course, to the satisfaction of the Principal, in subjects involving Studio-work and thesis.

A deficiency up to 5 per cent in lectures, tutorials, laboratory and practical work for each subject, may be condoned by the Principal of the College.

A student of the college who has attended the prescribed number of the lectures and practicals, etc., for a semester but does not appear in the examination, or having appeared in the examination fails, may be permitted to appear in the next examination of that semester and the one after the next without attending a fresh course of lectures and practicals, etc.

The amount of examination fee to be paid by a candidate for Semester first to tenth shall be as prescribed by the Syndicate from time to time.

A candidate on reappearing shall pay admission fee per subject for each semester examination subject to a maximum of fee prescribed 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, shall be as prescribed by the Syndicate from time to time.

A candidate on reappearing shall pay admission fee of Rs. 25 per subject for each semester examination subject to a maximum of fee prescribed 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.

The examination shall be held in accordance with the syllabus prescribed by the Senate.

(a) There shall be internal assessment of sessional work in each subject. Sessional work shall broadly comprise class work, field work, workshop practice, laboratory practicals, studio work, home work and periodical tests.

(b) Marks in the internal assessment as defined in clause (a) shall be forwarded by the Principal of the college to the Controller of Examinations at the end of each semester, but at least a week before the commencement of the examination of each semester.

The medium of examination shall be English.

The minimum number of marks required to pass each semester examination shall be :-

- (a) 40 per cent in each subject of examination, including viva voce wherever provided;
- (b) 50 per cent in the internal assessment of sessional work in each subject as defined in Regulation 6.2 (a);
- (c) 50 per cent in the aggregate of the entire examination including internal assessment and examination marks.

Provided that a candidate who fails to obtain 50% marks in the aggregate may be given the option to re-appear in the subject/s of his choice to make up the deficiency in the aggregate marks.





A candidate shall be promoted from one semester to the next semester provided he qualified in atleast five subjects prescribed for the respective semester examination, fulfils the attendance and other requirements and completes practical training in the seventh semester (for promotion from seventh to eighth semester).

A candidate who is relegated in any subject/s in any semester (provided he is not required to repeat the semester) shall be permitted to continue the studies for the next semester and appear in the relegated subject/s in the next examination, provided that in any examination, a candidate shall be allowed to appear at a time in a backlog of not more than 5 subjects of the previous semesters.

A candidate shall be allowed to join the fourth, fifth and sixth semester after he has passed in all the subjects prescribed for the first, second and third semester, respectively.

A candidate shall not be eligible for B. Architecture degree, unless he obtains a pass grade in the prescribed practical training, which shall be decided by a Committee of Examiners appointed by the Principal, Chandigarh College of Architecture and the result sent to the University Office for declaration. The candidate whose work is not found to be satisfactory may be allowed to repeat the practical training after the tenth semester.

A student who possesses the qualifications laid down in Regulation 2, and has been enrolled in a college affiliated for this course during the semester preceding examination of each semester may be allowed to appear in the examination of the semester concerned if he produces the following certificates signed by the Principal of the college :-

- (a) of good character; and
- (b) (i) having attended not less than 66 per cent of the lectures, tutorials, laboratory and practical work (wherever prescribed) for each of the subjects except those involving studio work, viz., Architectural Design, Building Construction, Graphics and Sculpture, Architectural Drawing and thesis.

Provided that a candidate who falls short of prescribed attendance in not more than two subjects may be permitted to appear in the next examination in those two subjects only after he has completed the requisite attendance in those two subjects. Lectures shall be counted up to seven days before the date of commencement of examination.

- (ii) of having completed the prescribed course, to the satisfaction of the Principal, in subjects involving studio work and thesis.

A candidate on reappearing shall pay admission fee per subject for each semester examination subject to a maximum of fee prescribed 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, shall be as prescribed by the Syndicate from time to time.

• The examination shall be held in accordance with the syllabus prescribed by the Senate.

• (a) There shall be internal assessment of sessional work in each subject. Sessional work shall broadly comprise class work, field work, workshop practice, laboratory practicals, studio work, home work and periodical tests.

(b) Marks in the internal assessment as defined in clause (a) shall be forwarded by the Principal of the College to the Registrar at the end of each semester, but before the commencement of the examination of each semester.

The medium of examination shall be English.

• The minimum number of marks required to pass each semester examination shall be :-

- (a) 40 per cent in each subject of examination including viva-voce wherever provided;
- (b) 50 per cent in the internal assessment of sessional work in each subject as defined in Regulation 6.2 (a);
- (c) 50 per cent in the aggregate of the entire examination including internal assessment and examination marks.

Provided that a candidate who fails to obtain 50% marks in the aggregate may be given the option to re-appear in the subject/s of his choice to make up the deficiency in the aggregate marks.

A student who fails in the internal assessment in not more than two subjects shall be considered to have failed in these subjects. He may be permitted to appear in the next examination in these subjects only if he has secured the pass marks in the internal assessment in these subjects.

However a candidate who fails in internal assessment in more than two subjects shall repeat the full course as a regular student in an affiliated College and obtains pass marks in the internal assessment of each subject in order to be eligible to appear in the University Examination.

• The Controller of Examinations shall publish the result at the end of each semester four weeks after the termination of examination or as soon as possible. A detailed marks card shall be issued for each semester (except for the seventh semester).

A candidate who has passed all the subjects prescribed for stage I/stage II shall be awarded the degree of Bachelor of Building Science (B.B.S.)/Bachelor of Architecture (B.Arch.) stating the division in which he has passed. The division shall be awarded on the basis of total marks obtained in the examinations of all the semesters as follows :-

- (a) Those who obtain 75% or more of the total aggregate marks. .. First Division with Distinction

Provided they Passed all the examinations at their first attempt in the main examination within five years from the date of commencement of the first session in which they were enrolled as students of this course.

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

## MA ARCHITECTURE EXAMINATION

The duration of the Course for the degree of Master of Architecture for full-time students shall be minimum one year and for part-time students minimum 20 months.

The examination for the M.Arch. shall be open to any candidate who :-

- (a) has passed at least one year previously the B.Arch. examination of the Panjab University or any equivalent examination recognized by the Panjab University;
- (b) has remained on the rolls of Chandigarh College of Architecture for the minimum prescribed period; and
- (c) is recommended by the Principal, Chandigarh College of Architecture for admission to the examination.

The medium of examination shall be English.

Every candidate shall forward his examination admission form countersigned by the Principal, Chandigarh College of Architecture, accompanied by a fee as prescribed by the Syndicate from time to time and a statement giving the subject of his dissertation. The candidate shall also send his dissertation at the time of forwarding his application.

The examination shall consist of a dissertation containing the research work of the candidate.

There shall be internal assessment of the work of the candidate on the basis of progress, quality and general performance of the work. The marks in the internal assessment shall be forwarded by the Principal of the College to the Controller of Examinations along with the dissertation.

The evaluation of the dissertation shall be conducted by an external examiner and if found acceptable then viva voce will be conducted by both internal and external examiners and marks awarded jointly.

In case the external examiner finds that the dissertation is not acceptable the candidate shall be declared failed by the University without holding any viva voce.

A candidate who has been declared fail may be permitted to join the Course as a fresh candidate.

The Board of Studies shall have the power to make recommendation to the Syndicate in all matters concerning the M.Arch. Course including the appointment of examiners.

(a) The total marks for the examination shall be 500 of which internal assessment shall carry 200 marks.

(b) The minimum pass marks shall be :-

- (i) 50% in internal assessment;
- (ii) 40% in the dissertation including viva voce.

(c) A candidate who fails in the internal assessment shall not be permitted to present his Thesis for examination until such time, he obtains the minimum pass marks prescribed for internal assessment.

(d) Successful candidates shall be classified as under :-

(a) Those who obtain 75% or more of the .. First Division

**M A N N A N I T A**  
*to take effect from the sessions of*

The duration of the course of instruction for M.A. in Indian Theatre examination 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.

The annual examination shall be held once in a year in the month of April/May on the date fixed by the Syndicate.

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

A person who has passed anyone of the following examinations shall be eligible to join the M.A. Course in Indian Theatre :-

- (a) A Bachelor's Degree from Panjab University;
- (b) Any other degree recognized by the Panjab University as equivalent to (a).

The final selection will be made through an Entrance Audition, the details of which will be worked out by the Advisory Board.

A person who has passed the examination as laid down in Regulation 2.1 and has been on the rolls of the University Department of Indian Theatre for the academic year preceding the examination may be admitted to the examination on production of the following certificates signed by the Head of the Department :-

- (a) of good character; and
- (b) of having attended not less than 90% of the practicals (exercises, rehearsals and productions) and not less than 75% of the lectures.

A deficiency in the required number of lectures and practicals as laid down in the Regulation No. 3.1 may be condoned as under :-

- (a) up to 15 lectures and practicals .. by the Head of Department
- (b) up to 20 lectures and practicals .. by the Dean of University Instruction.

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

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

The examination shall be held according to the syllabi and courses of reading as approved by the Senate.

The minimum number of marks required to pass the examination shall be 50% separately in each paper/practicals.

A candidate who fails only in one of the theory papers and obtains 50% marks in each of the other papers may be allowed to reappear in the paper in supplementary examination.



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- (a) to help the participants to perceive, more clearly, their own role and responsibilities as youth workers;
- (b) to enable them to improve their professional competence through the acquisition of a sound knowledge base and essential problem-solving skills regarding important aspects of youth work; and
- (c) to aid them to relate themselves meaningfully with personnel engaged in the promotion of youth work and with youth themselves.

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The duration of Diploma Course for Advanced Studies in Youth Work shall be approximately nine months.

Admission to the course shall be open to graduates of a University.

The course shall normally spread over three terms, as follows :-

- (i) The first term of about 15 weeks' duration, to be utilized essentially for a foundation course;
- (ii) The second term of about 12 weeks' duration to be utilized by the participants for undertaking supervised field work in their own or some other country selected for the purpose;
- (iii) The third term of about 10 weeks' duration to be utilized for synthesis and consolidation of the academic and practical work.

There shall be an evaluation of the work of each participant at the end of each term; admission to the next term shall depend upon satisfactory progress. The evaluation shall be based on the following :-

- (i) written examination at the end of first and third terms;
- (ii) country reports on youth work;
- (iii) an Essay by the participant on the perception of his role and responsibilities in youth work;
- (iv) an Essay on a selected youth problem to be submitted towards the end of the third term;
- (v) other written assignments and performance in Seminars;
- (vi) report on the Field work.

The examinations for the first and third terms shall be held on such dates as may be fixed by the Director.

The examination shall be held according to the syllabus prescribed by the Centre from time to time.



The nine papers as provided in the syllabus, the viva voce tests, the field project report, the country report on youth work, an Essay by the participant on the perception of his role and responsibilities in youth work and an Essay on a selected youth problem to be submitted towards the end of the third term shall carry a total of 60 credits as shown below :-

	Credits
Paper I	2
Paper II	4
Paper III	5
Paper IV	4
Paper V	3
Paper VI	4
Paper VII	4
Paper VIII	4
Paper IX	4
Viva-voce	4
Field Project	14
Country report on youth work	4
An Essay by the participant on the perception of his role and responsibilities in youth work	2
An Essay on a selected youth problem to be submitted towards the end of the third term.	2
Total	60

The credits attached to papers I to IX shall be awarded on the basis of term examination (50% i.e. a total of 17 credits for the nine papers) and other written assignments and performance in Seminars (50%).

Grading shall be done on the following basis :-

A	85% and above
B	70% - 84%
C	55% - 69%
D	40% - 54%
E	Below 40%

*No e* :-It will be necessary for the participant to obtain at least 40% marks in the aggregate for all the work in the entire course to be eligible for the Diploma.

Each successful candidate shall be awarded the Diploma for Advanced Studies in Youth Work by the Centre, accredited by the Panjab University.

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All the regulations and syllabi and courses of reading prescribed for the examination for regular students of affiliated colleges/teaching Departments of Panjab University shall be applicable to students of the Department of Correspondence Studies with the exception of—

- (a) attendance requirement;
- (b) requirement of qualifying the college house examination.

In the case of B.Com. examination, the marks for internal assessment shall not be reserved and the marks obtained by a student in each paper, shall be increased proportionately.

A student registered with the Department of Correspondence Studies who is certified by the Chairman/Chairpersons to have completed the requirements prescribed for a course may be allowed to appear in the examination as a student of this Department. Every student will appear for the examination at the centre fixed by the University.

A student on the rolls of the Department of Correspondence Studies who fails to appear or having appeared fails in the concerned University examination may be allowed to continue his/her enrolment for a period of one year in case of B.Com. examinations, two years in case of diploma examinations and three years in case of other examinations immediately succeeding the year in which he/she completed the requirements of Regulation 4, on payment of a fee as prescribed by the Syndicate every year, and to appear in the University examination as an ex-student of the Department of Correspondence Studies.

Provided that a student on the rolls of the Department of Correspondence Studies, who appears in the M.A. (Semester System) Examination and is eligible to repeat a course(s) may be allowed to continue his/her enrolment till the completion of the M.A. course on payment of a fee as prescribed by the Syndicate to the Department every time when he/she applies for admission to the examination in the course/s as an ex-student.

Such foreign students who had already passed B.A./B.Com. Part-I or II or M.A. Part I Examination from this University as students of the Department of Correspondence Studies, shall be allowed to complete the remaining parts of these integrated courses through the Department even while staying in their respective countries, subject to the number of chances available in the respective examinations as provided in the Regulations.

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A candidate for the degree of Master of Philosophy in Social Sciences should have obtained a Master's degree from the Panjab University or an equivalent degree from another University which has been recognized as equivalent thereto by this University with first or second division (50% marks).

The duration of the course shall be two semesters/one academic year. If a candidate, however, 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.

M.Phil. course shall consist of dissertation/project report and other prescribed courses as determined for the instructional course for Advanced Professional Programme in Public Administration (APPPA) conducted by the I.I.P.A. The total credit for the M.Phil. programme of study shall be 24 or its equivalent out of which 25 per cent are to be allocated to the dissertation/course work.

The Board of Control for outlining the above programme shall be constituted by the Vice-Chancellor which may consist of the following :-

1. Director of the Institute.
2. 2 members of the Faculty directing the course.
3. 2 senior members of the faculty of I.I.P.A.
4. 2 senior members of the faculty from Social Sciences of Panjab University.
5. General Coordinator nominee of the Vice-Chancellor.

The Board of Control shall formulate the courses and specify the methods of study/ research subject to the approval of the Joint Research Board. The examination for the M.Phil. in Social Sciences at the I.I.P.A. shall be conducted by a Board of Examiners appointed by the Institute. The Panjab University shall also have a senior member of the Social Sciences faculty nominated by the



(b) Those who obtain 60% or more of the .. First Division.

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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
- (d) those who obtain less than 50% but not less than 40% of the aggregate marks. - Third Division

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

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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**MA C NC ANA MY**

1 The duration of the course leading to the Degree of Master of Science (Anatomy)



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

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.

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.

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.

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.

The medium of examination shall be English.

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

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.

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.

A candidate who fails in a particular semester shall be allowed to reappear in the

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.

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.

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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