

PANJAB UNIVERSITY
CHANDIGARH



REGULATIONS & RULES
for
the Degree of
DOCTOR OF PHILOSOPHY
in the faculties of

ARTS, LANGUAGES, EDUCATION, SCIENCE, DESIGN & FINE
ARTS, COMMERCE, MEDICAL SCIENCES, ENGINEERING &
TECHNOLOGY, LAWS AND PHARMACEUTICAL SCIENCES

—:0:—

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PH.D. DEGREE IN THE FACULTIES OF ARTS, LANGUAGES, EDUCATION, SCIENCE AND DESIGN & FINE ARTS

1.1. A candidate for the degree of Doctor of Philosophy in the Arts, Languages, Education, Science, Design & Fine Arts Faculties should have obtained from the University the Master's degree with minimum of 55% marks.

Provided that-

1. In the case of Ph.D. in Education, Master's degree shall mean Master's degree in Education, i.e. M.Ed. or M.Ed. through Correspondence or M.A. in Education.
2. In the case of Ph.D. in Library Science, the Master's degree shall mean Master's degree in Library Science (M.Lib.Sc.);
3. In the case of Ph.D. in Physical Education, the Master's degree shall mean Master's degree in Physical Education; and
4. The Academic Council may approve any other degree of a University equivalent to the Master's degree.

1.2. The following Categories of candidates who may have obtained from another University a Master's degree, ordinarily in the first (atleast 60 per cent marks) or second class (atleast 50 per cent marks) and approved by the Academic Council may also be considered for enrolment:

- (a) Members of the teaching staff in-
 - (i) a teaching Department of the University and Post-Graduate Departments of a Regional Centre of this University;
 - or
 - (ii) a college affiliated to this University.
- ***(b)** Teachers/Headmasters/Principals working in recognised High/Higher Secondary Schools falling within the jurisdiction of this University;
- (c) Research students enrolled in a Teaching Department of the University Home Science College concerned;
- (d) Persons pursuing research at Chandigarh under the supervision of a Teaching Department of the University or Post-graduate Department of a Regional Centre of the University.

1.3. A candidate who has obtained the Master's degree in third class may be enrolled for the Ph.D. degree with special permission of the Joint Research Board on the recommendation of the Research Degree Committee which shall give reasons for this recommendation.

2.1. A candidate for Ph.D. in a Science subject shall pursue research at -

- (i) A Teaching Department of the Panjab University or a Post-graduate Department of the Regional Centres of the Panjab University;
- or
- (ii) An approved centre under the supervision of a Teaching Department of the University in case of a candidate of category (c) of Regulation 1.2.
- or
- (iii) A Laboratory or an Institution approved by the Joint Research Board under joint supervision of the University Teaching Department and the Laboratory Institution concerned, provided the applicant has passed M.A./M.Sc. or M.Phil. from the Panjab University or from any other University/Institute whose examination has been recognised as equivalent to the corresponding examination of the Panjab University.

- (iv) A Postgraduate Department of a Home Science College, affiliated to the University.

2.2. A candidate enrolled in a subject not covered by Regulation 2.1 shall pursue research at the University or at a Centre approved by the Joint Research Board for Ph.D. research for at least 30 weeks. If necessary, the period of work at the University or an approved Centre, may be staggered over three years, provided that at least 12 weeks must be so spent every year. If the period of stay is staggered, the Dean of University Instruction may condone the shortage in the required period of 36 weeks up to a maximum of 6 weeks, but this permission shall be granted only in exceptional cases, if recommended by the Supervisor and the Head of the Department.

3.1. A person who wishes to be accepted as a candidate for Ph.D. research, shall, before starting research work, apply through the Head of the University Department concerned/Principal, Home Science College concerned on the prescribed form of enrolment with a fee as prescribed by the Syndicate from time to time, which shall not be refundable except when a candidate was found ineligible for enrolment in which case the fee may be refunded after deducting 25 per cent of it.

Provided that -

- (i) before enrolment, a candidate should have passed the entrance test for Ph.D. conducted by the University within the time prescribed by the University, in order to satisfy that the candidate has the necessary aptitude for research, with exemptions as decided by the Syndicate from time to time.
- (ii) the Synopsis of the thesis will be presented by the candidate in the concerned department before the Research Degree Committee members in the presence of the proposed Supervisor(s). The presentation will be open to the Faculty members and research students of the department. After presentation of the synopsis by the candidate, the Research Degree Committee shall decide the matter.

3.2. Application on the prescribed form for enrolment shall be considered by the University thrice in a year as under:

- (a) From July 15 to July 31
- (b) From November 15 to November 30, and
- (c) From March 15 to March 31.

3.3. A person who holds a Panjab University or a University Grants Commission scholarship or of any other such body shall, on being enrolled, be exempted from payment of monthly fee. Other persons, on enrolment, shall pay a fee per mensem as prescribed by the Syndicate from time to time, to the University provided that exemption may be allowed in accordance with the Rules, as may be framed by Syndicate.

*3.4 Within one year of the date of enrolment, the candidate shall apply through the Chairperson/Head of the University Department concerned/Principal, Home Science College for registration. Extension up to six months may be granted by the Dean of University Instruction on the recommendation of the Chairperson/Head of the University Department concerned/Principal, Home Science College. The application for registration shall contain-

- (a) a tentative title of thesis or broad area of work; and
- (b) a tentative design of research project (synopsis).

*The Students enrolled for Ph.D before the decision of the Senate dated 14-12-2003 will be governed by the old Regulations.

If a candidate fails to submit the registration form, including tentative title of the thesis and synopsis, within the prescribed period of one and a half years, the Chairperson/Head of the Department/Principal of Home Science College, may give specific reasons for consideration of the Joint Research Board which may grant six months' second extension beyond one and a half years (normal period of one year plus six months' extension) in the submission of registration form, tentative title of the thesis and synopsis, on payment of fee prescribed by the Syndicate/Senate from time to time.

*3.5 (a) A candidate would be required to submit the registration form, tentative title of the thesis and synopsis to the Chairperson of the Department concerned, who, in turn, would forward the same to the University Office within a week of its receipt.

(b) In case a candidate does not submit the registration form, tentative title of the thesis and synopsis to the Chairperson of the Department within a period of two years, his/her enrolment be treated as cancelled automatically. No separate intimation would be sent to the candidate.

4.1. Before forwarding the application required in Regulation 3.4, Chairperson/Head of the Department/Principal, Home Science College will satisfy himself after proper scrutiny and test, including viva voce, that the candidate has adequate competence for work in his field of study. The Head of the Department/Principal, Home Science College shall satisfy himself that the subject offered is one which can be pursued with profit.

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

*4.3. Joint Supervisors may be appointed, on the request of the candidate and the Supervisor, from the Teaching Departments and Postgraduate Regional Centres of the Universities recognized by the U.G.C. and also from the national/autonomous institutions, national/autonomous organizations and national/autonomous laboratories to be certified by the Chairperson of the concerned Department, provided they fulfill the following conditions:

- (a) hold the degree of Ph.D with published research work, such as books, articles or research papers in referred research journals; and
- (b) evidence of having been engaged in research after Ph.D.

No fee shall be charged from the concerned institutions, etc. for the above purpose. However they would be required to complete the prescribed application form for the purpose.

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PH.D. DEGREES

5.1 (a) All applications for registration as well as approval of the title, etc. (Reg. 3.4) after scrutiny by the Registrar's Office, shall be forwarded for/consideration of Research Degree Committee concerned which, in each subject (except Home Science shall consist of-

- (i) Dean of Faculty;
- (ii) Head of the University Department in the subject concerned and the Professor or Professors if any;
Provided that the Director-Professor. V. V. B. I. S. & I. S., Hoshiarpur, shall also be a member of the Research Degree Committee in Sanskrit;
- (iii) Convener of Board of Studies in the subject concerned;
- (iv) Two Readers in the subject concerned by rotation according to seniority to be nominated by the Vice-Chancellor;
- (v) Two Lecturers in the subject concerned by rotation according to seniority to be nominated by the Vice-Chancellor;
- (vi) A Professor of an allied subject appointed by the Vice-Chancellor.
Provided that the Members under (ii). (iii). (iv), (v) and (vi) shall possess Ph.D. Degree in the concerned subject or have experience of guiding research at the doctoral level.

(b) All applications for registration as well as approval of the title, etc. (Reg. 3.4) after scrutiny by the Registrar's Office, shall be forwarded for consideration of Research Degree Committee in Home Science which shall consist of :-

- (i) Dean of Faculty;
- (ii) Principal, Home Science College;
- (iii) Convener of Board of Studies in Home Science;
- (iv) Two Readers from allied Departments of this University or of another University to be nominated by the Vice-Chancellor from a panel recommended jointly by the Principal, Home Science College concerned and the Dean of University Instruction;
- (v) Two Lecturers in the subject of Home Science by rotation according to seniority to be nominated by the Vice-Chancellor;
- (vi) A Professor of an allied subject appointed by the Vice-Chancellor.

Provided that the Members under (iv), (v) and (vi) shall possess Ph.D. Degree in the concerned/or related subject or have experience of guiding research at the doctoral level. However, in exceptional cases, the Vice-Chancellor/Syndicate may waive this condition for reasons to be recorded.

5.2. Every Research Degree Committee shall be appointed in December in alternate year and its members shall hold office from January 1.

6. The Research Degree Committee shall consider such application and recommend whether, in their opinion-

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

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

7.1. The title of thesis and the supervisor recommended by Research Degree Committee shall be considered by the Joint Research Board (Except Science) which shall consist of-

- (i) Dean of University Instruction as an ex-officio Chairman;
- (ii) Deans of the Faculties of Arts, Languages, Education and Design & Fine Arts;
- (iii) *Heds of University Teaching Departments in Arts, Languages, Education and Design & Fine Arts Faculties, which have facilities for M.A. teaching and/or Ph.D. research; and
- (iv) Heads of such other Departments (Except Science subjects) as are approved by the Academic Council for this purpose; and
- (v) Five senior faculty members of the Departments in the Faculties of Arts, Languages, Education, and Design & Fine Arts and Home Science College/s, Regional Centre/s, Postgraduate Departments of College/s to be nominated by the Vice-Chancellor.

Provided that the members under this clause shall be nominated in December of every alternate year and shall hold office from January 1.

The Joint Research Board (Except Science) shall have power to co-opt any other expert for a particular meeting. The decision of this Board shall be final.

7.2 The title of the thesis and the supervisor recommended by Research Degree Committee shall be considered by the Joint Research Board which shall consist of-

- (i) Dean of University Instruction as an ex-officio Chairman;
- (ii) Dean of Faculty of Science;
- (iii) Heads of University Teaching Departments (Science Subjects);
- (iv) Heads of such other Science Departments as are approved by the Academic Council for this purpose; and
- (v) Five Senior Faculty Members of the Departments in the Faculty of Science to be nominated by the Vice-Chancellor;
- (vi) Principal Home Science College/s.

Provided that the members under this clause shall be nominated in December of every alternate year and shall hold office from January 1.

The Joint Research Board (Science) shall have power to co-opt any other expert for a particular meeting. The decision of this Board shall be final.

7.3. The Joint Research Board will decide whether or not the applicant be registered.

8.1. Every candidate shall pursue his research work for three years from the date of his enrolment. Thereafter, he shall submit the thesis at the expiry of three years.

8.2. The Joint Research Board may, on the recommendation of the Research Degree Committee, for reasons to be recorded, grant exemption for a period not exceeding one year.

9. A candidate may apply to the Joint Research Board through the Head of the Department/Principal, Home Science College concerned and Research Degree Committee for permission to modify the title of his thesis.z

*In addition to the Head of the Panjab University Sanskrit Department. Director-Professor, V.V.B.I.S. & I.S. Hoshiarpur, shall also be a member of Joint Research Board.

10. The Head of the University Department/Principal, Home Science College, in association with the Supervisor concerned shall test every candidate, on the expiry of one year from the date of enrolment, in order to determine whether the candidate should be allowed to continue his research work if a candidate is found unfit, his enrolment shall be cancelled.

*11.1. Every candidate shall report in writing, at the end of every six months, to the supervisor the work done by him during the six months. The supervisor will take such action on his report as he considers suitable depending on the nature of the report and other circumstances of the case.

The progress report from the date of enrolment, duly signed by at least one of the Supervisor(s)/proposed Supervisor(s)/Joint Supervisor(s), as the case may be, shall be submitted by the candidate to the Chairperson of the Department concerned and the same shall be placed before the Academic Committee of the Department. A copy of the proceedings of the Academic Committee be sent to the University Office for record. The Chairperson of the Department shall ensure that the progress reports, the matter be placed before the Academic Committee for consideration and recommendation to the Joint Research Board for cancellation of enrolment and registration of the candidate.

11.2. Every supervisor shall submit report on the candidate's research work twice a year, viz.-

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

Reports of supervisors in all cases shall be submitted through the Head of the Department/Principal, Home Science College to the Joint Research Board for information and any action that the Board may consider necessary.

11.3. In the event of a difference arising between a candidate and the Supervisor, the matter shall, in the first instance, be referred to the Head of the Department/Principal, Home Science College. If, however, the Head of the Department/Principal, Home Science College, is unable to settle it, the matter shall be referred to the Dean of University Instruction. If the supervisor happens to be the Head of a Department/Principal, Home Science College, the matter shall be referred to the Dean of University Instruction directly.

When the matter is referred to the Dean of University Instruction, he will take a decision himself, after obtaining, if necessary, the advice of an expert. The decision of the Dean of University Instruction shall be final.

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

12. After the expiry of one year's research work at the University/Home Science College, a candidate may be allowed by the Head of the Department/Principal, Home Science College to continue his research work at some other approved centre—

- (a) facilities for further work do not exist at the University/Home Science College.

or

- (b) the Head of the Department/Principal, Home Science College is satisfied that it would be in the interest of the candidate to do further research work at such a centre.

*The Student enrolled for Ph.D before the decision of the Senate dated 14-12-2003 will be governed by the old Regulations.

Provided that the supervisor may, on scrutiny of the six-monthly reports received from the candidate send for the candidate to assess the progress made by him in his research.

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

Extension may be granted by the Joint Research Board up to a maximum of two years, i.e. every candidate must submit his thesis on the expiry of a total period of five years from the date of enrolment of application.

Provided that-

- (i) extension shall not be granted for more than a year at a time;
- (ii) every application for grant of extension shall be accompanied by a fee prescribed by the Syndicate/Senate from time to time.

If the thesis is received after the prescribed period of five years, the delay may be condoned by the authorities named below :-

- (i) Up to 3 months – Dean of University Instruction.
- (ii) Up to one year – Joint Research Board.
- (iii) Beyond one year up to three years – Vice-Chancellor on the recommendation of the Joint Research Board, under special and exceptional circumstances to be recorded.

A fee of Rs. 2000 per year or an amount to be decided by the Syndicate/Senate from time to time, shall be charged for condonation of delay in the submission of Ph.D. thesis after expiry of the period of five years from the date of enrolment.

Provided that the maximum time limit for submission of Ph.D. thesis would be eight years from the date of enrolment, i.e. normal period: three years, extension period : two years, and condonation period: three years, after which enrolment and registration of the candidate shall be treated as cancelled automatically.

13.2. If a candidate fails to submit his thesis within the period allowed under Regulation 13.1, his enrolment shall be cancelled but he may be allowed to register himself again with some other subject, or in exceptional circumstances such as prolonged illness extending over several years or exigencies of military service, on the same subject.

14. If the supervisor of a candidate who has been doing research work for the Ph.D. degree of another University is employed on the staff of the Panjab University/Home Science College the candidate doing research work under his supervision may be allowed to enrol himself as a candidate for the Ph.D. degree of this University under the same supervisor, subject to fulfillment of these Regulations. Such a candidate shall not submit his thesis until after one year of enrolment in this University.

15. On completion of the research work and in accordance with the period allowed in Regulations 8 and 13 the candidate shall submit four printed or typewritten copies of his thesis and shall comply with the following conditions:

The thesis shall accompany-

- (a) a fee as prescribed by the Syndicate from time to time;
- (b) a certificate from his supervisor (as may be prescribed by the Syndicate) indicating the period for which the candidate has done research work and

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that the thesis is worthy of consideration for the award of the Ph.D degree, and

- (c) (i) In the case of a candidate for Faculty of Science the need for the knowledge of foreign languages, as partial requirement for Ph.D thesis shall be determined by the Board of Control of the Department concerned/Board of Studies in Home Science;
- (ii) The thesis must be a piece of original research work characterised either by the discovery of new facts or for a fresh interpretation of the known facts or theories; in either case it shall give evidence of the candidate's capacity for original research, critical examination and judgement;
- (iii) The thesis shall be satisfactory in its literary presentation;
- (iv) The thesis shall indicate how it embodies the results of the candidate's own research or observations and the respects in which the candidate's investigations appear to him to have advanced study the subject.

Provided that :

- (a) A candidate may incorporate in his thesis contents of any work which he may have published on the subject, but he shall not submit, as his thesis, any work for which a degree has been conferred by this or any other University.
- (b) Edited texts of Calendars of unpublished manuscripts, critical editions from original manuscripts of old texts, records or documents of Catalogues Reason of collections of Art when accompanied by adequate introductions and critical apparatus, shall be given the same recognition as original dissertation Arts or Science subjects and for the award of the Doctorate degree it shall be regarded as equally worth consideration.
- (c) The candidate shall declare in writing, duly countersigned by his Supervisor and Head of the Department/Principal, Home Science College, that the thesis is not substantially the same as the one he may have already submitted to another University.
- (d) The thesis shall consist substantially of the candidate's own work under scoring his individual contribution. The candidate may, however, submit in support of his thesis any printed contribution for the advancement of his subject which may be published, independently or conjointly. In the latter case, the candidate shall indicate specifically his personal contribution to the conjoint work duly attested by the supervisor.

16. Every candidate shall give an undertaking that he will not publish his thesis without the previous permission of the Syndicate. If this permission is granted, the candidate shall supply to the Controller of Examinations three copies of published thesis; one copy to be placed in the University Department concerned/Home Science College condoned and two copies in the University Library. The candidate will also furnish the University with copies of reviews of his publication which, along with the book, shall be brought to the notice of the Syndicate.

17.1. The thesis shall be referred to two examiners appointed by the Syndicate on the recommendations of the Joint Research Board 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 University Instruction up to a maximum of one year. The delay in the re-submission of revised thesis after the expiry of special extension period, be condoned up to a maximum of one year by the Joint Research Board.

17.2. A thesis shall be resubmitted, if so recommended by the examiners, only once, and it shall be examined by the examiners who assessed the original thesis unless both or any of them are unable or unwilling to do so.

17.3. A candidate who is required to resubmit his thesis must do so accompanied by half the amount of fee prescribed in regulation 15.

17.4. In case there is a difference of opinion between the two examiners in regard to the acceptance of thesis, the Vice-Chancellor may refer the thesis to another examiner who shall ordinarily be out of the approved panel.

17.5. The examiners for a thesis in the Arts, Languages and Design & Fine Arts Faculties shall indicate in their report whether:

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

or

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

17.6. Except in the case of a thesis, which is rejected, viva-voce shall be held in accordance with the rules prescribed in this behalf by the Syndicate, before a final decision is given on the thesis. The examiners may send, if they so desire, along with their reports, questions for use by the Board Conducting the oral examination. Such a Board shall consist of three, examiners appointed by the Vice-Chancellor of which the Head of the University Department concerned/ Principal, Home Science College concerned and the supervisor of the thesis shall be members. If two out of three members of the Board are present, the viva-voce will be conducted provided that one of them is the external examiner.

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

18. The reports of both the examiners on the thesis as well as of the other examiners for the viva-voce shall be considered by the Syndicate. The syndicate may decide—

(i) whether the degree of Doctor of Philosophy be awarded;

or

(ii) whether the candidate be required to revise the thesis and resubmit it for re-examination;

or

(iii) whether the thesis be rejected.

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

20. A person already registered for the Ph.D. degree, before these regulations come into force, shall, if he so desires continue to be governed by the regulations, which were in force at the time of registration. The thesis will be entertained under old regulations only if this option has been exercised earlier.

DOCTOR OF PHILOSOPHY IN THE FACULTY OF BUSINESS MANAGEMENT & COMMERCE

1.1. The enrolment to the Doctor of Philosophy in Faculty of Business Management and Commerce shall be open to a candidate who has obtained Master's degree with not less than 50 per cent marks in the aggregate, from Panjab University or from any other University (approved by the Academic Council) in any one of the following subjects:

- (i) Commerce or Management.

OR

- (ii) Economics, Mathematics, Statistics, Sociology, Psychology, Public Administration, Operations Research, Social Work, Engineering and Laws.

OR

- (iii) Any subject other than those mentioned in (i) and (ii) above provided that the candidate has either not less than 5 years' work experience at the managerial (including administrative service) level or is a member of the Faculty in the University Business School, Panjab University with not less than 5 years' experience of teaching postgraduate classes.
- (iv) Those MFC, who qualify the pre-Ph.D. programmes of the University Business School can get themselves registered for Ph.D.

Provided further that candidates with qualification, mentioned in (ii) & (iii) above shall be eligible for enrolment only if the area of research relates to the Faculty of Business Management and Commerce.

1.2. The following categories of candidates, who are graduates and have either a minimum 5 years' standing in the profession (practice or service) or 5 years' experience of teaching postgraduate classes, shall also be eligible for enrolment:

- (a) A member (Associate or Fellow) of the Institute of Chartered Accountants of India.
- (b) A member (Associate or Fellow) of the Institute of the Cost & Works Accountants of India.
- (c) A member (Associate or Fellow) of the Institute of Company Secretaries of India.

2.1. Application for enrolment for the degree of Doctor of Philosophy shall be considered by a Research Board in Business Management and Commerce (hereinafter referred to as Research Board) which shall consist of-

- (i) Dean, Faculty of Business Management and Commerce, Ex-officio;
- (ii) Chairperson, University Business School, Panjab University (hereinafter referred to as the University Business School);
- (iii) Professors in the University Business School;

- (iv) One Reader by rotation in the University Business School;
- (v) Two members nominated by the Vice-Chancellor;

The term of the office of the Board shall be two years.

2.2. The functions of the Research Board shall be-

- (i) to enrol candidates for the Ph.D. course;
- (ii) to prescribe course work;
- (iii) to recommend to the Faculty of Business Management & Commerce the subject of thesis and the appointment of supervisor/joint supervisors;
- (iv) to grant exemption or extension as the case may be (in accordance with Regulation 4.1);
- (v) to recommend recognition of approved centres;
- (vi) to recommend examiners for oral examination as required under Regulation 8.1 and for the thesis.

3.1. A person who wishes to be accepted as a candidate for Ph.D. Research shall, before starting research work, apply to the Research Board through the Chairperson of the University Business School, on the prescribed form of enrolment, with a fee as prescribed by the Syndicate from time to time (not refundable).

3.2. On being enrolled, every candidate shall pay a fee as fixed by the Syndicate from time to time. A person who is awarded a research scholarship by the University or by the University Grants Commission or by any other such body or is a teacher in the University Business School or a College affiliated to this University may, however, be exempted from this fee.

3.3. Before enrolling a candidate for the doctoral course the Research Board shall satisfy itself, after scrutiny, which may include a written test and/or a viva voce examination that the applicant has necessary aptitude, qualifications and calibre for research.

4.1. The duration of Ph.D. course shall be three academic years.

Provided that the Research Board may, on the recommendation of the supervisor, for reasons to be recorded, accord exemption for a period not exceeding one year and allow a candidate to submit his thesis after two years of enrolment and research.

Provided further that extension may be granted, to a candidate who is unable to complete his research work and thesis within the prescribed period of 3 years, by the Research Board up to a maximum of two years (one year at a time) on the recommendation of and for reason to be recorded by the supervisor.

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

4.2. A candidate enrolled for Ph.D. shall pursue his research work in the University Business School.

Provided that the Research Board may permit a candidate, after allocation of the subject of thesis and the appointment of supervisor to pursue his research work at an approved centre. If the supervisor is not satisfied with the progress of a candidate who is permitted to continue his research work at an approved centre, the supervisor may require the candidate to continue further work in the University Business School.

DOCTOR OF PHILOSOPHY IN THE FACULTY OF BUSINESS MANAGEMENT & COMMERCE

4.3. A candidate who has cleared the course work and the comprehensive oral examination may be permitted to go to another country for a part of his research work. But he shall be required to stay at the University Business School, on his return for a minimum period of six months before he is permitted to submit his thesis.

4.4. The admissions to the Ph.D. course shall ordinarily be completed by July 31 each year and the prescribed course work shall commence with effect from August 1. The Research Board may, however, for reasons to be recorded, postpone admissions and/or the commencement of the course work.

5. The Ph.D. Programme shall consist of prescribed courses and a thesis. For candidates who are admitted under Regulations 1.1 (i) and (ii) above, the course work will be spread over to two semesters. For others, the duration of the prescribed course work shall be three semesters.

The courses shall be prescribed by the Research Board. The Research Board shall also specify the areas for Ph.D. research and every candidate shall be required at the time of enrolment to indicate area of his research and he shall work only in the specified area.

However, Ph.D. candidates who are whole time members of the Faculty of the University Business School, may seek exemption from attending classes in one or more courses. The research Board after proper scrutiny of the candidates earlier work and experience, may grant such exemption but they will be required to comply with other requirements of the course (test, examination etc.) and take comprehensive oral examination in their area of specialization.

6. After satisfactory compliance of the prescribed course requirement, every candidate shall take a comprehensive oral examination in his area of specialization. He shall thereafter be registered for Ph.D. work for which he shall furnish synopsis and bibliography of the proposed thesis along with the title which may however be modified later to the extent it does not run counter to the broad contents of the thesis proposed.

The subject of thesis shall be allocated to the candidate and a supervisor shall be appointed.

7.1. There shall be 100 per cent internal assessment in the course work. The satisfactory compliance of the course work shall mean a minimum of 50 per cent marks in each course.

7.2. If a candidate is unable to qualify in the course work, he may be given two more consecutive chances within a period of one year to comply with the course requirement and the additional work assignment shall be determined by the faculty member concerned. If he still does not qualify, his enrolment shall be cancelled.

8.1. The comprehensive oral examination shall be conducted by the Chairperson and the three other members of the faculty nominated by the Research Board in the candidates' area of specialization.

8.2. The minimum requirement for qualifying in the comprehensive oral examination shall be 50 per cent marks.

8.3. If a candidate fails to qualify in the comprehensive oral examination in the first attempt, he shall be given two more chances, at an interval of not less than 3 months each. If he still does not qualify, his enrolment shall be cancelled.

9. Every candidate shall report in writing at the end of every six months from

the date of allotment of the thesis subject 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.

10.1. It shall be one of the duties of the supervisor to submit to the Research Board a brief report on the candidate's research work twice a year viz., January and July.

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

10.3. In the event of a difference arising between a candidate and a supervisor, a reference shall be made to the Dean of Faculty of Business Management & Commerce who may decide the dispute himself or refer it to some other competent person.

11.1. Immediately after completion of the period of registration, a candidate shall submit along with his application for Ph.D. degree four copies of his thesis along with its summary neatly printed or type-written or published in his own name accompanied by a fee as prescribed by the Syndicate from time to time and a certificate from his supervisor and countersigned by the Chairperson of the University Business School 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 the award of Ph.D. degree.

11.2. Along with the thesis, a candidate shall furnish, for approval of the examiners, a brief abstract of the thesis giving an account of the investigation/research conducted and its main findings which will not exceed 2,000 words.

11.3. A declaration in writing shall be submitted by the candidate through the supervisor countersigned by the Chairperson of the department to the effect that-

1. he has not submitted the thesis to any other University;

or

the thesis has been submitted to other University as well but that thesis is not substantially the same as now being submitted to this University; and

2. the thesis submitted by the candidate is the work of his own and is not on the basis of which the Ph.D. degree has already been awarded by any University.

11.4. The thesis shall comply with the following conditions:

- (i) the greater portion of the work submitted therein must have been done subsequent to his passing the qualifying examination; and
- (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 independence and critical power.

12. If a candidate fails to submit his thesis within the prescribed period including the extensions granted, his enrolment shall be cancelled. However, delays up to 3 months in the submission of the thesis beyond the prescribed/extended period may be condoned by the Dean, Faculty of Business Management and Commerce.

13. No conjoint research with the supervisor shall be permitted in regard to the subject-matter of the thesis. The thesis must consist of candidate's own work which must be his personal achievement, provided, however, 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, a candidate shall indicate specifically his personal contribution to such conjoint work duly attested by the supervisor.

14. 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 acknowledge in the publication that the thesis as published was submitted partly or wholly to the University for the Ph.D. degree and shall also supply to the Controller of Examinations three copies of the published thesis, one copy to be placed in the University Business School 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.

15.1. The thesis shall be referred to three examiners appointed by the Syndicate on the recommendation of the Research Board in Business Management and Commerce and the Vice-Chancellor. The examiners may recommend—

that the thesis be accepted for the award of 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 after six months unless he is permitted to resubmit earlier in pursuance of the suggestions made by the examiners.

15.2. If at least two out of three examiners agree that the thesis be accepted for the award of Ph.D. degree, the candidate shall be called for viva voce examination.

15.3. In case only one examiner recommends the acceptance of the thesis and one or both the remaining examiners recommend the revision of the thesis, the thesis shall be revised.

16. Viva voce shall be held in accordance with the rules prescribed in this behalf by the Syndicate, before a final decision on the thesis. The examiners must send along with their reports questions for use by the Board of examiners conducting the oral examination. Such a Board shall consist of (a) Chairperson of the Department; (b) Supervisor/Supervisors (in case of joint supervision); and (c) an external examiner to be appointed by the Vice-Chancellor/Syndicate.

17. 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..

18. A thesis shall be resubmitted, if so recommended by the examiners, only once, and it shall be examined by the examiner/s who assessed the original thesis and did

not originally recommend it for the award of the degree unless both or any of them are unable or unwilling to do so.

19. A revised thesis must be resubmitted by the candidate not earlier than six months but within one year from the date of intimation of the decision of the University to him. The revised thesis shall reach the University accompanied by half the amount of fee prescribed in Regulation 11.1 on one of the following dates whichever falls immediately next to the expiry of the time allowed herein:

First term	..	July 31
Second term	..	October 31
Third term	..	January 15

20. The reports of both the examiners on the thesis as well as of the other examiners for the viva-voce shall be considered by the Syndicate. The Syndicate may decide—

- (i) whether the degree be awarded to the candidate;
- (ii) whether the thesis is fit for publication by the candidate in its original form or in any modified form;
- (iii) whether the thesis is of such outstanding merit that the University would be justified in publishing it at its own cost;
- (iii) whether the thesis be rejected; and
- (iv) whether the candidate be allowed to resubmit the thesis after revision.

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

22. A person already registered for the Ph.D. degree, before these regulations come into force, shall, if he so desires continue to be governed by the regulations, which were in force at the time of registration. The thesis will be entertained under old regulations only if this option has been exercised earlier.

PH.D. DEGREE IN THE FACULTY OF MEDICAL SCIENCES

1.1. 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.

1.2. 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.

2. Every candidate shall pursue research—

- 1. (a) for a Medical subject, in a Medical College recognised for Ph.D. degree;
- (b) for a Pharmacy subject, in the University Department of Pharmacy;

or

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

3.1. A person who wishes to be accepted as a candidate for Ph.D. research shall, before starting research work apply through the Head of the Medical Institute – College/ University Pharmaceutical Department, 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.

3.2. Application on the prescribed form for enrolment shall be considered by the University thrice in a year as under:

- (a) from July 15 to July 31;
- (b) from November 15 to November 30; and
- (c) from March 15 to March 31.

3.3. A person who holds a 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 of Rs.25 per mensem to the University/to the Institute/Medical College, provided that exemption may be allowed with effect from 1-7-1911, in accordance with the rules as may be framed by the Syndicate.

3.4. Within six months from the date of enrolment, the candidate shall furnish through the Head of Medical College/University Pharmacy Department -

- (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 Head of the College/University Pharmacy Department.

4.1. Before forwarding the application required in Regulation 3.4 the Principal of the Medical College/University Pharmacy Department 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.

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

5. All applications for registration as well as approval of the title, etc. (Regulation 3.4) after scrutiny by the Registrar's office, shall be forwarded for consideration of the Board of Post-graduate Medical and Pharmaceutical Research.

6. The Board of Post-graduate Medical and Pharmaceutical Research 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 subjects and/or supervisor are not suitable, they may either reject the application or may suggest suitable changes for reasons to be recorded.

7.1. The title of thesis and the supervisor recommended by the Board of Post-graduate Medical and Pharmaceutical Research 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.

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

8.1. After the date of enrolment, a candidate shall pursue his research work for the Ph.D. degree. The period of training shall be 2 years for those who already possess M.D./M.R.C.P./M.S.F.R.C.S. and three years for those with M.Sc. (Med). This would apply to all the subjects provided that in exceptionally meritorious cases, a candidate may be allowed to submit his Ph.D. thesis direct after M.B.B.S. in basic medical sciences in which case the duration of the course would be 4 years after one year as house-surgeon or the equivalent thereof recognised by the Medical Council of India.

8.2. 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.

8.3. 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.

9. 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.

10.1. Every candidate shall report in writing, at the end of every six months, to the supervisor the work done by him during the six months. The supervisor will take such action on this report as he considers suitable depending on the nature of the report and other circumstances of the case.

10.2. 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.

Reports of supervisors in all cases shall be submitted through the Head of the College/Department to the Faculty for information and any action that the Faculty may consider necessary.

10.3. 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 Medical and Pharmaceutical Research, 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.

10.4. 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.

11.1. 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 Head of the department concerned, for grant of extension.

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

Provided that -

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

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

11.2. 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.

12. If the Supervisor of a candidate who has been guiding research work of Ph.D. degree of another University, is employed on the staff of the Medical College/ University

Pharmacy Department, 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.

13. 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 prescribed by the Syndicate from time to time.
 - (b) a certificate from his Supervisor (as may be prescribed by the Syndicate indicating the period for which the candidate has done research work and that the thesis is worthy of consideration for the award of 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 facts or theories; in either case it shall give evidence of the candidate's capacity for original research critical examination and judgement;
- (iii) The thesis shall be satisfactory in its literary presentation;
- (iv) The thesis shall indicate how it embodies the results of the candidate's own research or observations and the respects in which the candidate's investigations appear to him to have advanced study 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) 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 1.

14. 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.

15.1. 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.

15.2. A thesis shall be resubmitted, if so recommended by the examiners only once, and it shall be examined by the examiners who assessed the original thesis unless both or any of them are unable or unwilling to do so.

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

15.4. In case there is a difference of opinion between the two examiners in regard to the acceptance of thesis, the Vice-Chancellor may refer the thesis to another examiner who shall ordinarily be out of the approved panel.

15.5. 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.

15.6. Except in the case of a thesis which is rejected, viva-voce shall be held in accordance with the rules prescribed in this behalf by the Syndicate, before a final decision is given on the thesis. The examiners may send, if they so desire, along with their reports, questions for use by the Board 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.

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

16. 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.

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

18. A person already registered for the Ph.D. degree, before these regulations come into force, shall, if he so desires, continue to be governed by the old regulations. The thesis will be entertained under old regulations only if this option has been exercised earlier.

PH.D. DEGREE IN NURSING

1.1. 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.

1.2. 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.

2. 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.

3.1. 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.

3.2. 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.

3.3. 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.

3.4. 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.

4.1. 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.

4.2. 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.

5. 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.

6. 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.

7.1. 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.

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

8.1. Every candidate shall pursue his research work for three years from the date of his enrolment. Thereafter, he shall submit the thesis 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.

8.2. 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.

8.3. 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.

9. 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.

10.1. Every candidate shall report in writing, at the end of every six months to the supervisor the work done by him during the six months. The supervisor will take such action on this report as he considers suitable depending on the nature of the report and other circumstances of the case.

10.2. 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.

10.3. 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.

PH.D. DEGREE IN NURSING

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.

10.4. 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.

11.1. 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.

11.2. 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.

12. 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.

13. 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 judgement;

- (iii) The thesis shall be satisfactory in its literary presentation;
- (iv) The thesis shall indicate how it embodies the results of the candidate's own research or observations and the respects in which the candidate's investigations appear to him to have advanced study 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) 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 Principal/Head of the Medical College/College of Nursing/University Department of Pharmaceutical Sciences as the case may be 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 1.1.

14. 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 to be placed in Medical College/College of Nursing/University Department of Pharmaceutical Sciences as the case may be 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.

15.1. 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.

15.2. A thesis shall be resubmitted, if so recommended by the examiners, only once, and it shall be examined by the examiners who assessed the original thesis unless both or any of them are unable or unwilling to do so.

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

15.4. 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.

15.5. 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 under-take its publication at its own cost.

15.6. Except in the case of a thesis which is rejected, viva-voce shall be held in accordance with the rules prescribed in this behalf by the Syndicate, before a final decision is given on the thesis. The examiners may send, if they so desire, along with their reports, questions for use by the Board 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.

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

16. 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.

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

28 DOCTOR OF PHILOSOPHY IN THE FACULTY OF ENGINEERING AND TECHNOLOGY,

1. 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.

2. There shall be a Research Degree Committee in various disciplines of Engineering instituted from time to time, 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 each of the affiliated Colleges, Institutes, etc., by rotation on the basis of seniority.
 - (ii) One Reader and One Lecturer—one each from each of the disciplines in the Department of Chemical Engineering & Technology, Panjab University, University Centre of Instrumentation & Micro-electronics and University Institute of Engineering & Technology by rotation on the basis of seniority.Provided that the relevant discipline exists in the College/Institute/Centre, etc.
- (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.

3. 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 the Colleges/Institute, Head of the Department of Chemical Engineering & Technology, Director, University Centre of Instrumentation & Micro-electronics and Director, University Institute of Engineering & Technology, as the case may be;
- (c) Professors of Post-graduate courses in affiliated Engineering Colleges/Institute, Department of Chemical Engineering & Technology, University Centre of Instrumentation & Micro-electronics and University Institute of Engineering & Technology, as the case may be;
- (d) Three experts nominated by the Syndicate on the recommendation of the Faculty;
- (e) One specialist co-opted by the above members for the occasion.

The term of office of the Board shall be two years and the Board will meet ordinarily once in each quarter of calendar year.

4. Every candidate shall register himself with the University for which he shall pay a fee of Rs. 50. An external candidate shall not supplicate for Ph.D. until three years after such registration.

5. Every candidate shall furnish the Research Degree Committee concerned with a synopsis of his proposed thesis, but the title of the thesis need not be specified along with it.

The candidate may seek approval of the title of the thesis later but he shall submit the thesis not earlier than six months from the date of approval of the title.

If a candidate seeks permission to modify the title of his thesis, he shall submit the thesis not earlier than six months from the date of approval of the modified title but the Faculty may relax this limit if they decide that the modification is of minor nature.

6. The Research Degree Committee concerned shall decide the suitability of the proposed subject of thesis and shall also recommend a Supervisor whose duty shall be to guide the candidate and to certify as to the fitness of the thesis for examination. The Research Degree Committee may recommend joint Supervisors in any particular case if the problem is considered to be of an interdisciplinary nature involving more than one specialization.

7. External candidates can submit thesis only after residence for a period of two years subsequent to registration, within the territorial jurisdiction of the University and after having undertaken research in the University or its Constituent or affiliated colleges for this period. Every external candidate shall pay a supervision fee of Rs.10 per mensem, for at least 24 months, in addition to any laboratory or apparatus fee recommended by the Principal. This fee shall be retained by the college in which the candidate is working.

Explanation: - An external candidate shall be a person who does not fall in the category of internal candidates as defined in Explanation to Regulation 10.1 but is otherwise eligible for the Ph.D. degree.

8. It shall be one of the duties of the Supervisor to submit to the Research Degree committee concerned a brief report about the work of the candidate after every six months he period of research under him.

9. The candidate shall submit along with his application for Ph.D. degree four copies of his thesis neatly printed or type written or published in his own name, accompanied 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 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, associate ship, fellowship or other similar title of recognition.

10.1. 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 time within three years from the date of approval of the subject thereof by the Research Board.

Explanation : - For the purpose of this Regulation an internal candidate shall mean a person who has passed the Master of Engineering examination of the Panjab University or an equivalent examination of another University and is working as a member of the teaching staff or as a full-time/part-time research worker in a teaching Department of the Panjab University or a college affiliated to the Panjab University.

10.2. A staff member who has registered himself as an internal candidate and has worked for more than, two years on the approved subject after Master of Engineering as a staff member of an affiliated college, shall be allowed to submit his thesis at any time within three years from the date of approval of the subject even after leaving the affiliated college provided that it must be certified by the Supervisor of the candidate that he had worked for more than 2 years on the approved subject after Master of Engineering as a staff member of affiliated college.

11. Such application for extension must be submitted to the University before the expiry of date for submission. Such extension will be granted for one year at a time subject to a maximum of three years, beyond which ordinarily no further extension will be granted by the Research Board.

12. 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, however, 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.

13. Internal candidates may be permitted to carry on their research for the degree of Ph.D. in a *Research Institute approved by the Syndicate on the recommendation of the Research Board.

14. Every candidate for Ph.D. degree shall declare in his application form that the thesis submitted by him for the Ph.D. degree whether approved or rejected shall not be published without the permission of the Syndicate, provided that permission is not necessary, if only parts of the thesis are to be published in scholarly journals.

15.1. The thesis shall be referred to two external examiners appointed by the syndicate on the recommendation of the Research Board and the Vice-Chancellor. Both the examiners shall read the thesis and shall satisfy themselves that the thesis is the candidate's own work and shall each present a report to the University stating :

- (i) whether the degree be awarded to the candidate;
- (ii) whether the thesis is fit for publication by the candidate in its original form or any modified form;
- (iii) whether the thesis is of such outstanding merit that the University would be justified in publishing it at its own cost;
- (iv) whether the thesis be rejected;
- (v) whether the thesis be allowed to be resubmitted with improvement and for this purpose may make such suggestions as they deem fit. The candidate shall ordinarily resubmit the revised thesis after six months, unless he is permitted to submit it earlier in pursuance of the suggestions made by the examiners.

15.2. Except in the case of thesis which is rejected, viva voce shall be held in accordance with the rules prescribed 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. The Board shall be appointed by the Vice-Chancellor and shall consist of three members including the Head of the department and the Supervisor of the thesis.

15.3. The reports of the examiners referred to in 15.1 and 15.2 shall be considered by the Syndicate.

If there is a difference of opinion between the two examiners, i.e. one examiner recommends the award of the degree while the second recommends rejection or resubmission of the thesis. The Syndicate may refer the thesis to another examiner.

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- *1. National Aeronautical Laboratory, Bangalore, is recognised as a centre for Ph.D. research (Para 85, Syndicate proceeding, dated 3-3-1963).
 2. Central Road Research Institute, New Delhi, is recognised for Ph.D. research in the field of Highway Engineering (Para 81, Syndicate proceedings dated 27-6-1964).
 3. Central Building Research Institute, Roorkee, is recognised for Ph.D. research in the subjects of Chemical Engineering, Applied Chemistry and Civil Engineering (Para 43, Syndicate proceedings, dated 6-2-1965).
 4. (i) C.S.I.O., Sector 30, Chandigarh;
(ii) Institute of Research for Micro-bio-Technology, Sector 39, Chandigarh;
(iii) T.B.R.L., Sector 30, Chandigarh &
(iv) P.G.I., Sector 12, Chandigarh are recognised as Centres for Ph.D. research

16.1. 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.

16.2. A candidate who is required to resubmit the thesis must do so immediately on expiry of six months from the date of intimation of the decision of the University to him, unless extension is specially given by the Research Degree Committee concerned. However, such extension will not ordinarily be more than two years in any case. The revised thesis shall reach the University accompanied by half the amount of prescribed fee.

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

DEGREE OF DOCTOR OR PHILOSOPHY IN THE FACULTY OF LAW

1. A candidate for the degree of Doctor of Philosophy (Ph.D) in the Faculty of Law should have obtained, Master's degree in Law (securing ordinarily 50% marks) from the Panjab University or from any other University whose degree is recognised as equivalent to that of the Panjab University

2. Every candidate shall apply to the Head of the Department of Laws for being allowed to seek enrolment for the degree for Ph.D. This application shall be on the prescribed enrolment form and shall be accompanied by a fee as prescribed by the Syndicate from time to time. This fee shall not be refundable except when the candidate is found ineligible for enrolment in which case it shall be refunded after a deduction of 25%.

3. The application on the prescribed form for enrolment shall be considered by the Head of the Department of Laws thrice in a year as under :-

- (a) From July 15 to July 31,
- (b) From November 15 to November 30, and
- (c) From March 15 to March 31.

4. The Head of the University Department of Laws will, in consultation with Professors and Readers in the Department, decide whether or not the candidate be enrolled keeping in view the candidate's qualifications and the facilities available. However, if a Professor or a Reader of the University Department of Laws is himself a candidate seeking enrolment he shall not be so consulted. The date on which the candidate is allowed to enrol himself shall be intimated by the Head of the Department to the candidate as also to the University.

5. Every candidate shall, on enrolment pay a fee per mensem as prescribed by the Syndicate from time to time, to the University, provided that -

- (i) A person who holds a Panjab University or a University Grants Commission scholarship shall on being enrolled, be exempted from this fee.
- (ii) Exemption from payment of this fee may be allowed in accordance with Rules as may be framed by the Syndicate.

6. Within six months of the date of enrolment, the candidate shall apply to the University through the Head of the University Department of Laws, for registration.

The application for registration will contain-

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

Provided that the candidate may defer the submission of the tentative design of research work, in which case he must submit the same not later than six months from the date of aforesaid application for registration.

7. Before forwarding the application required by Regulation 6, the Head of the Department will, with the help of a committee of experts in the proposed area of the candidate's work co-opted by him, satisfy himself, after proper scrutiny and test including viva voce, that the candidate

adequate competence for work in his field of study. The said committee shall ordinarily comprise of Professors and Readers working in the Department who are experts in the proposed area of candidate's work. However, if a Professor or a Reader working in the University Department of Laws happens to be a candidate, he shall not be a member of the said committee. An outside expert in the proposed area may also be co-opted. The Head of the Department shall also satisfy himself that the subject offered is one which can be pursued with profit.

8. While forwarding the application the Chairperson/Head of the Department shall also recommend a suitable Supervisor to guide the applicant in his research work. He may, if he considers necessary, recommend 2 or 3 joint supervisors from the related areas to guide and supervise the work of the candidate in case of an interdisciplinary topic. The choice of supervisor for guiding research shall ordinarily be restricted to teachers working in the Department of Laws, Panjab University unless there are sufficient reasons for appointing any other scholar of eminence, jurist as supervisor.

9. All applications, under Regulation 6, for registration as well as approval of the title, etc. shall after scrutiny by the Registrar's office, be forwarded for consideration of the Board of Studies in Law.

10. The Board of Studies in Law shall consider each application and determine whether, in their opinion :-

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

are suitable and, if so, they may recommend the same for approval of the Faculty of Law. If, however, the Board of Studies in Law 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.

11. The subject of the thesis and the supervisor recommended by the Board of Studies in Law shall be considered by the Faculty of Law. The Faculty shall have power co-opt any other expert for the particular meeting in which this matter is taken up. The Faculty of Law will decide whether or not the applicant be registered. The decision of the Faculty shall be final.

12. Every candidate shall, before submitting his thesis pursue whole time research work for three years from the date of his enrolment. Provided that the requirement regarding whole time research shall not apply to a candidate who is teaching Law in any University Law Department, Faculty, a Law College affiliated to any University or in any Govt. or Semi-Govt. institution or who is doing research in any University or recognised Institution or who is Judicial Officer, practising advocate, or a Law Officer. He would, however, pursue the research work for the requisite period of three years.

13. A candidate supplicating for the Ph.D. Degree should research at -

- (i) The Panjab University Department of Laws, or
- (ii) at such other centre or centres where fruitful research work can be done as are approved by the Dean of the Faculty of Law on a recommendation made by the Head of the Department of Laws in consultation with the Supervisor of the candidate.

Provided, however, that every candidate shall pursue research at the Panjab University Department of Laws for at least 40 weeks. This period of 40 weeks may be staggered over a period of three years. Provided further that least 12 weeks must be so spent every year. The Dean, in consultation with the Head of the Department, may condone upto a maximum of 6 weeks, the shortage in the requisite period of 40 weeks but this condonation shall be granted for special reasons to be recorded in writing.

14. A candidate may apply to the Faculty of Law through the Head of the Department and Board of Studies in Law for permission to modify the title of the thesis. In such a case he shall not be allowed to submit his thesis before the expiry of 6 months from the date of approval of the modified title by the Faculty.

15. Every candidate shall submit a six monthly report, in writing, regarding the progress of his research work. The supervisor may, on scrutiny of the six monthly report, send for the candidate to assess the progress made by him. The Supervisor shall forward his report to the Head of the Department and shall, in consultation with the Head of the Department, take such action on the report as he considers suitable.

16. Every supervisor shall submit a report on the candidate's research work twice a year,

viz. :-

- (i) Between October 16 and 31.
- (ii) Between April 16 and 30.

Reports of supervisor shall in all cases, be submitted through the Head of the Department to the Faculty of Law for information and for action, if any, that the Faculty may consider necessary.

17. In the event of a difference, arising between a candidate and the Supervisor, the matter shall, in the first instance, be referred to the Head of the Department. If, however, the Head of the Department is unable to settle it, the matter shall be referred to the Dean of the Faculty. If the Supervisor happens to be the Head of the Department, the matter shall be referred to the Dean of the Faculty directly.

If the matter is referred to the Dean of the Faculty, he will take a decision in consultation with the Head of the Department except when the Head of the Department himself happens to be the Supervisor. The Dean may, if deemed necessary, consult any other expert as well. The decision of the Dean shall be final.

18. If the Supervisor and the Head of the Department do not consider the work of a candidate satisfactory, the matter will be reported to the Faculty of Law. The Faculty of Law shall decide whether the candidate should be allowed to continue his research for the Ph.D. degree.

19. A candidate who is unable to complete, his thesis within three/five years, as the case may be from the date of enrolment, may apply through the Supervisor and the Head of the Deptt. for grant of extension. Extension may be granted by the Faculty or Law up to a maximum of two years, i.e. every candidate must submit his thesis on the expiry of the total period of five/seven 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 will be accompanied by a fee as prescribed by the Syndicate from time to time.

If the thesis is received after the prescribed or extended period, the Dean of the Faculty may condone delay up to three months. In highly exceptional and difficult cases where the candidate could not, for reasons beyond his control, submit the thesis within the prescribed or extended period, the Faculty of Law may recommend to the Vice-Chancellor that the candidate be granted further extension. The Vice-Chancellor may, on the individual merit of each case and on the recommendation of the Faculty, grant extension to the extent he may deem necessary.

20. If a candidate fails to submit his thesis within the period allowed under Regulation 19, his enrolment shall stand cancelled. He may, however, be allowed to enrol himself again with some other subject.

21. If a candidate was doing research work for the Ph.D. Degree of another University under a Supervisor, who subsequently joins the Panjab University Department of Laws as a member of the teaching staff, the candidate may be allowed to enrol himself as a candidate for the Ph.D. degree in this University under the same supervisor subject to his fulfilling the requirements of these regulations. Such a candidate can, however, submit his thesis after one year of enrolment in the Panjab University provided that he has put in research work for a minimum period of three years since his enrolment in the said other University.

22. On completion of the research work in accordance with these regulations the candidate shall submit four printed or type written copies of the thesis along with -

- (a) a fee as prescribed by the Syndicate from time to time.
- (b) a certificate, in the prescribed form from the supervisor indicating the period for which the candidate has done research work.
- (c) a certificate from the supervisor that the thesis is worthy of consideration for the award of the Ph.D. degree.
- (d) a brief statement by the candidate indicating the extent to which the research work done by him has, in his view, advanced the study on the subject and constitutes an original contribution.
- (e) a certificate by the candidate that the thesis does not contain in form or in substance, without explicit acknowledgement, any part of the published or unpublished work of some other person.
- (f) an undertaking, in writing, by the candidate that the thesis will not be published by him without the previous permission of the Syndicate.

23. The thesis submitted by the candidate must be-

- (a) a piece of original research work constituting a contribution to knowledge in the relevant field.
- (b) satisfactory in literary presentation.

24. The candidate may incorporate in his thesis the substance of any work which he may have published on the subject. He shall, however, not submit, as his thesis, any such work for which a degree or Diploma has been awarded by this or any other University.

Nor shall he submit any work which was submitted to this or any other University for the award of a degree and which was rejected for the purposes of such award.

25. No conjoint research with the supervisor shall be permitted in regard to the subject matter of the thesis.

26. The thesis shall be referred to two examiners appointed by the Syndicate on the recommendation of the Board of Studies and the Vice-Chancellor.

27. The examiners may recommended 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 appropriate modification or improvements made in the light of the suggestions as the examiner/s may deem fit to make.

The modified/improved thesis shall be submitted by the candidate to the University office along with a certificate from the Chairperson/Head of the Department of Laws about the fulfilment of the requirement of the examiner/s. The revised thesis shall be forwarded to the examiner/s for final report. The viva voce shall be held only on receipt of the unanimous report from the examiner/s recommending acceptance of the thesis. The reports shall then be placed before the Syndicate for consideration of the award of the degree.

28. If a thesis is required to be revised, 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 up to a maximum of one year may be given by the Dean of the Law Faculty on the recommendation of the Head of the Department.

29. A thesis shall be re-submitted, if so recommended by the examiner/s 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 in which case new examiner/s shall be appointed.

30. A candidate who so resubmits his thesis must do so accompanied by half the amount of fee prescribed in Regulation 22.

31. 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 a third examiner.

Provided that if out of two examiners originally appointed for evaluation of the thesis

(a) one recommends its acceptance, the other its rejection and the aforesaid third examiner recommends its revision the revised thesis shall be sent for evaluation to the third examiner;

(b) one recommends acceptance, the other its revision and the aforesaid third

examiner agrees with the latter, the revised thesis shall be sent for evaluation to the examiner who originally recommended revision.

32. 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.

33. 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 viva-voce examination. Such a Board shall consist of three examiners including supervisor/s and at least one of the external examiners appointed by the Vice-Chancellor. If two out of three members of the Board are present, the viva voce shall be conducted provided that one of them is an external examiner.

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

35. The reports of the examiners on the thesis as well as of the examiners for the viva-voce shall be considered by the Syndicate. The Syndicate may decide—

(i) Whether the degree of Doctor of Philosophy be awarded.

or

(ii) Whether the thesis be rejected.

or

(iii) Whether the candidate be required to revise the thesis and resubmit it for re-examination.

36. After the completion of the formal examination including viva-voce and before the declaration of the result by the University, the candidate shall make a formal presentation of the thesis in the form of a lecture in the presence of the Department faculty and research students interested in the subject.

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

38. If the Syndicate decides that the degree of Doctor of Philosophy be awarded to a candidate and the degree is, thereafter, awarded to him, the candidate shall not publish the thesis except with the permission of the Syndicate.

39. If the permission to publish is granted by the Syndicate the candidate shall supply to the Controller of Examinations three copies of the published thesis (one copy

for record in the University Library and two copies for the Library of the Department of Laws) along with the copies of the reviews, if any, about the published thesis which would be brought to the notice of the Syndicate.

TRANSITORY REGULATION

40. A person already registered for the Ph.D. degree, before these regulations come into force, shall, if he so desires, either continue to be governed by the old regulations or opt. for being governed by these regulations. This option should be exercised at any time within six months of the coming into force of the present regulations.

40 DOCTOR OF PHILOSOPHY IN THE FACULTY OF PHARMACEUTICAL SCIENCES

1.1. A candidate for the degree of Doctor of Philosophy in the Faculty of Pharmaceutical Sciences shall have obtained from this University, the degree of-

Master of Pharmacy in Pharmaceutics, Pharmaceutical Chemistry, Pharmacognosy or Pharmacology.

1.2. The Faculty may, however, allow a person to supplicate for Ph.D degree, if he has-

- (a) Graduated in Pharmacy; and
- (b) Obtained Master's degree in a subject related to the disciplines stated in Regulation 2.1 from another University/Institution.

2.1. A person who wishes to be accepted as a candidate for Ph.D. research shall before starting research work apply through the Chairman, on the prescribed form of enrolment with a fee which is non-refundable shall be as prescribed by the Syndicate from time to time.

2.2. The candidate on enrolment shall pay a fee per month as prescribed by the Syndicate from time to time.

Provided that awardees of scholarships/fellowships by the Panjab University, University Grants Commission and other similar bodies and teachers shall be exempted from payment of fees.

2.3. The candidate shall pursue research in the University Institute of Pharmaceutical Sciences or at a centre approved for the purpose by the Faculty.

3.1. Within one year from the date of enrolment, the candidate shall apply for registration on prescribed form through the Chairman, and furnish -

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

Provided that the Board may condone the delay in submission of application for registration.

3.2. While forwarding the applications, the Chairman shall also recommend a supervisor/joint supervisors, to guide the applicant in his research work.

3.3. The applications for registration and approval of the title, etc. (Regulation 4.1) after scrutiny by the Registrar's office, shall be forwarded for consideration of the Board.

3.4. The Board shall consider each application and recommend whether,

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

are suitable and, if so recommend approval of the same.

If, however, the Board considers that the subject and/or supervisor/s are not suitable, it may either reject the application or suggest suitable changes for reasons to be recorded.

3.5. The title of thesis and the supervisor/s recommended by the Board shall be considered by the Faculty which shall have power to co-opt an expert for the purpose for a particular meeting.

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

3.7. 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.

4.1. 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.

4.2. 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.

OR

- (b) the Chairman 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 work.

4.3. The candidate and his supervisor/s shall report on the progress of research work from time to time to the Chairman for consideration of the Board. Such reports may be submitted at least once in a year.

4.4. If a supervisor gives unsatisfactory report on the work of the 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.

4.5. In the case of a difference/dispute arising between the candidate and his supervisor/s, the matter shall be referred to the Board for adjudication. The Board may co-opt/take advice of an expert if it deems necessary.

5.1. The candidate shall submit thesis within 30 days after the expiry of the period allowed under Regulation 5.1.

Provided that the Faculty may, on the recommendation of the Board, for reasons to be recorded, grant exemption for a period not exceeding one year to a candidate 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.

Provided further that the candidate shall submit his thesis not earlier than one year from date of registration.

The Faculty may, however, relax this condition, to the extent, it deems fit.

5.2. In case the candidate submits the thesis after the expiry of the period allowed under Regulation 5.1 read with Regulation 6.1, 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, condone the delay to the extent he may deem necessary.

5.3. 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. 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 have been 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 the Chairman that the thesis is not substantially the same as the one he may have already submitted to another University/Institution.
- (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 2.1/2.2.

6.1. The thesis shall be referred to two examiners appointed by the syndicate/ Vice-Chancellor from amongst a panel approved by the Faculty. 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/s to him by the University. Special extension may be given by the Dean of the Faculty up to a maximum of one year.

6.2. 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.

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

6.4. In case there is a difference of opinion between the two examiners in regard to the acceptance of thesis, the Vice-Chancellor may refer the thesis to another examiner who shall ordinarily be out of the approved panel.

6.5. 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.

6.6. The reports of the examiners of the thesis as well as of the Board conducting oral examination shall be considered by the Syndicate. The Syndicate may decide –

- (i) Whether the degree of Doctor of Philosophy be awarded;
- (ii) Whether the candidate be required to revise the thesis and resubmit it for re-examination;
- (iii) Whether the thesis be rejected.

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

7.1. If a candidate fails to submit his thesis within the period allowed under these regulations, his enrolment/registration 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.

7.2. 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 University Institute, the candidate 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.

7.3. A person already registered for the Ph.D. degree, before these regulations come into force, shall, if he so desires, continue to be governed by the old regulations.

1.1. Every Ph.D. candidate shall pay the enrolment fee as decided by the Syndicate/Senate from time to time.

1.2. Every candidate enrolled for Ph.D. shall be required to pay the requisite fee as decided by the Syndicate/Senate from time to time.

1.3. A fee of Rs. 1000/- or an amount to be decided by the Syndicate/Senate from time to time, shall be charged for seeking six months' second extension beyond one and a half year (normal period of one year plus six months' extension) in the submission of synopsis.

1.4. A fee of Rs. 2000/- per year or an amount to be decided by the Syndicate/Senate from time to time shall be charged for condonation of delay in the submission of Ph.D. thesis after expiry of the period of five years from the date of enrolment.

2. A candidate who is enrolled for Ph.D. degree shall not be allowed to join M.A. or any other post-graduate course.

3. (i) Thesis on a subject under the Languages Faculty may be written in English or Hindi or in the Language in which the thesis relates.

(ii) Thesis on the subject of Music may be written in Hindi/Panjabi/English.

4. For purposes of Regulation 3.4, the candidate shall be required to submit 15 copies of a tentative design for his research project along with his registration form.

5. For purposes of Regulation 4.1, the Head of the Department shall co-opt on the Committee an expert in the proposed area of the student's work if the Committee does not have one already.

6. It is understood that Regulation 5(iv) will apply if there are at least two Readers in the Department.

7. The candidate will submit a certificate with his thesis that it does not contain without explicit acknowledgement any part which appears in form or substance in any work published or un-published of some other person.

8.1. (i) The choice of Supervisors for guiding research shall, except as provided in Rule 8.5., be restricted to teachers working at the Panjab University Teaching Departments, including Panjab University Regional Centres, Colleges affiliated to Panjab University and in case of persons working at the approved Research Centres, the Supervisor might be from the approved Research Centres or University Teaching Departments concerned or there may be Joint Supervisors one from the University Teaching Departments and the other from the approved Research Centre concerned. However, such teachers shall be eligible to become Supervisors/Joint Supervisors for guiding Ph.D. research provided they fulfill the following conditions :

(a) hold the degree of Ph.D. with published research work, such as books, articles or research papers in referred research journals; and

(b) evidence of having been engaged in research after Ph.D.

(ii) A teacher fulfilling the above conditions and interested in supervising research of candidates seeking enrolment for Ph.D., shall communicate his/her interest to the Chairperson of the concerned Teaching Department in the University (through Head of the Institutions other than the University Teaching

Department)/Principal, Home Science College, Chandigarh, alongwith the relevent documents as evidence of fulfilling the above conditions.

- (iii) Such a request of the teacher shall be placed before the joint meeting of the Administrative and Academic Committees of the concerned Department for consideration and recommendation to the Registrar's office. However, in case of Home Science College, Chandigarh such a request shall be considered by the appropriate Committee constituted by the Principal and its recommendations sent directly by the Principal to the Registrar's office.
- (iv) In case a Supervisor is from an affiliated College, the University shall satisfy itself that the requisite infrastructure and academic facilities for supervision of research are available in the College. The availability of requisite infrastructure and academic facilities for supervision of research in a College shall be assessed by the Committee constituted by the Vice-Chancellor.
- (v) Those teachers of the University/Colleges who have already been approved as Supervisors to guide Ph.D. research and have guided/have been guiding the Ph.D. students be allowed to continue to guide their students except those who are pursuing Ph.D. research themselves.
- (vi) No teacher who is himself/herself enrolled or registered for Ph.D. can simultaneously guide research for Ph.D. In case of such a teacher already supervising research for Ph.D., the candidates working under his/her supervision may change their supervisors. However, the candidates will have the option to retain the same topic of their research.
- (vii) In case any revision/modification in the title of Ph.D. thesis is suggested by the Research Degree Committee, the issue must be resolved by the Chairperson of the Department concerned and the Supervisor within one month of the decision of R.D.C., failing which a reminder be issued by the Office for doing the needful. In such cases, the Dean of the Faculty is authorised to take decision, on behalf of R.D.C., on the recommendations of the Chairperson and the Supervisor.
- (viii) The joint meeting of the Administrative Committee and Academic Committee of the Department will consider the matter relating to the topic and plan of research of the Ph.D. candidate and assignment of Supervisor/Joint Supervisor(s) for the purpose of registration.

However, before consideration of the matter by the Research Degree Committee as above, the Teaching Department concerned will have the option for presentation of the synopsis by the candidate before the joint meeting of the Administrative and Academic Committees in the presense of local members of the Research Degree Committee, other faculty members, students and proposed Supervisor(s). Three Professors from the allied disciplines may also be associated as Special Invitees to this meeting for inter-disciplinary enrichment of the synopsis.

- (ix) In Science subjects where the title of Ph.D. thesis is changed/modified at the time of submission of the thesis, the Chairperson of the Department, Supervisor and the Dean of the Faculty (on behalf of the Research Degree Committee) shall make recommendation in such cases and the Dean of University

Instruction is authorized to take decision in the matter, on behalf of the Joint Research Board.

- *8.2. (a) A teacher shall not have more than six research students and a Chairman/Chairperson of Single Member Chairs at the University shall not have more than eight research students working under him for Ph.D. degree at a time.
- (b) In case a Supervisor is working as a Joint Supervisor/Co-Supervisor of a Research Scholar, for the purposes of the limit under (a) above, the number in each such case shall count as half ($\frac{1}{2}$).
- (c) So long as a teacher did not reach the limit laid down in the said Rule and was willing to accept a particular research student, the student should not be denied the choice of working under him (the teacher) for his Ph.D. degree.

Provided that in the case of experimental Sciences, the relevant departmental Committee will have to be satisfied that the supervision can be carried out within the space, equipment and contingency grant available to the supervisor concerned (The words experimental Sciences may interpreted in the broadest possible sense).

- 8.3. (i) In the matter of appointment of supervisors belonging to non-teaching staff, the appropriate criteria would be whether the supervisor had kept himself abreast of research in the related field had been involved in research himself, had access to relevant materials for research and the nature of his duties allowed him the necessary time to guide research.
- (ii) A Supervisor from the non-teaching staff may be appointed subject to the following conditions :
- (a) that he will be allowed to guide only up to three research students at a time, and
- (b) that such a Supervisor will be appointed as Co-Supervisor, the other Co-Supervisor being a teacher from the University Teaching Departments/Institute/Centre, recognised for the purpose of guiding Ph.D. research.
- (c) holds the degree of Ph.D. with published research work, such as books, articles or research papers in referred research journals; and
- (d) evidence of having been engaged in research after Ph.D.

- 8.4. (i) If, before the thesis of a candidate is completed the supervisor retires or otherwise leaves the University/Institute, he may continue to guide the candidate. If, however, the supervisor or the candidate himself asks for a change for reasons of efficiency, another supervisor may be appointed.
- (ii) A superannuated teacher below the age of 65 years shall be allowed to supervise up to four candidates for Ph.D.

* (i) Keeping in view the fact that in some cases, after registration some Ph.D. scholars remain dormant for the purpose of counting the limit under (a) above, the number of research scholars who do not submit their theses within the prescribed period of five years, should be ignored.

(The Chairman of the Department concerned should keep record of the number of scholars/students working under a Supervisor, in his Department and before recommending the name of a Supervisor/Co-Supervisor, will ensure that the number of research Scholars working under him was within the limit laid down).

(ii) The above provisions would apply to the Supervisors/Co-Supervisors from the academic staff of the University.

(iii) In exceptional cases, new candidates may be enrolled for Ph.D. under the supervision of a retired teacher who has reached 65 years of age.

8.5. If the Joint Research Board considers it desirable, scholars of eminence may be assigned with their previous consent to guide the work of research students as supervisors or joint supervisors even though they are not teachers of the University.

9.1. Research Degree Committee of a subject shall meet at least once every three months, unless there is business to be transacted.

9.2. Joint Research Board shall meet once every four months unless there is business to be transacted.

10. A candidate for Ph.D. degree shall not be allowed to have access to his thesis for making any changes, after he has submitted the same.

11. The oral test/viva voce shall be held by the Board of Examiners. Such a Board shall consist of 3 examiners, i.e. External Examiner, Head of the University Department concerned and the Supervisor and if the Head of the Department was Supervisor himself, an Expert shall be appointed by the Vice-Chancellor. The External Examiner shall be appointed by the Vice-Chancellor, as under :-

- (a) If both the examiners who assessed the thesis of the candidate are from abroad, an external examiner from India shall be appointed;
- (b) If both the examiners are from India, one of them shall be appointed as the external examiner.
- (c) If one of the examiners is from India, he/she shall be appointed as the external examiner;
- (d) If the external examiner so appointed is unable to conduct the oral test/viva voce or is otherwise not available, an external examiner in his place shall be appointed.

12. Before permission to publish a thesis is accorded, reports of the Head of Department and the Supervisor will be obtained to ensure whether or not the revision suggested by the examiners, if any, has been carried out and for that purpose the reports of the examiners shall be made available to the Head of the Department and the Supervisor.

13. When out of the two examiners originally appointed for evaluation of Ph.D. thesis :

- (a) one recommends its acceptance, the other its rejection, and the third examiner appointed under the regulations recommends its revision, the revised thesis shall be sent for evaluation to the third examiner.
- (b) one recommends acceptance, the other its revision, the revised thesis shall be sent for evaluation to the examiner who recommended revision.

14. The authority to grant extension, as Regulation 13.1, for the Ph.D. degree may be *delegated to the Dean of University Instruction by the Joint Research Board.

15. After the thesis has been accepted and the decision to award degree has been taken by the Syndicate, the Head and the Supervisor, whenever necessary, may make a summary of the technical part of the examiner's report and communicate it to the candidate if it helps in improving

(ii) The above provisions would apply to the Supervisors/Co-Supervisors from the academic staff of the University.

the thesis before publication (in full or parts) or gives guidance to the candidate for further work :

Serial No. Ph.D./.....

16. Every candidate registered for doctoral degree in Social Sciences, shall supply three copies of the abstracts of his thesis after the award of the degree to him.

17. Every candidate for doctoral degree in Social Sciences shall be required to submit -

- (i) a brief synopsis along with his thesis; and
- (ii) a proforma as per Appendix.

Guidelines for Appointment of Examiners to Assess the Ph.D. Thesis

1. In view of the present status and stage of development of various subjects of study at research level in Universities in India and having regard to the facilities available for research in these subjects, the practice or convention followed by many Universities of appointing one more expert from abroad to evaluate Ph.D. thesis should be discouraged. However, in certain areas or specialities where sufficient number of experts may not be available in the country for such assessment, experts from abroad to evaluate such theses may be appointed. While selecting such experts from abroad, it should be necessary to take note of the standing, experience and contribution of such experts.

It should be impressed upon such experts that the standard of Ph.D. thesis to be evaluated should be with reference to the highest standards maintained by them for examining theses in the leading Universities and where research work for at least two years is expected for submission of thesis.

2. Appointment of same set of examiners in the Universities for Ph.D. theses on related topics should be avoided.
3. For each inter-disciplinary topic registered for research, there may be a group of two or three supervisors from the related areas to guide and supervise the work of a candidate.
4. Depending upon the topics, a thesis should be examined by at least two external examiners. On receipt of the unanimous report from examiners recommending the acceptance of the thesis for Ph.D. degree there should be a viva voce examination of the candidate by a board consisting of supervisor(s) and atleast one of the external examiners. However, after the completion of the formal examination including viva voce and before the declaration of the result by the University the candidate be asked to make a formal presentation of the thesis in the form of a lecture in the presence of the department faculty and research students interested in the subject.
5. Where the examiners have suggested some modifications/improvement of a thesis on certain suggested lines or pointed out certain lacunae in a thesis, the candidate should be asked to reply or to modify the thesis on the suggested lines. The viva voce examination should be held only when the thesis has been finally recommended for acceptance for the award of the degree.

APPENDIX 'A'

PANJAB UNIVERSITY

...../Ph.D.

Application form for enrolment as a candidate for the degree of Doctor of Philosophy in the Department of under the Faculty of

Note: The applicant must carefully read the Regulations/Rules and Instructions before filling up this form. Please fill in all the columns and clearly indicate 'NOT APPLICABLE' wherever not relevant.

- 1. (i) Name (IN BLOCK LETTERS): Mr./Ms.
(ii) (a) Father's Name: Shri
(b) Mother's Name: Smt.
2. (i) Permanent House Address
(ii) Local Address:
Tel. No. Mobile
Fax No. E-mail Address
3. Particulars about Master's Degree (Please also state whether it is M.A./M.Sc./M.Com./M.Ed./M.Phil., etc.)
(i) Year (ii) University
(iii) Division Percentage of Marks obtained
(iv) Subject (v) Roll No.
4. Registration Number (if any) of Panjab University, Chandigarh
5. Department of the University/approved Centre where research work will be carried out
(in case of approved Centre, permission of Head of the Centre be enclosed)
6. Fees of Rs. remitted vide SBI Receipt No. D.D. No.
dated Post Office/Bank
7. Where receiving any scholarship/fellowship?
If yes, its nature, amount, tenure and source
8. Whether employed?
If yes, name and address of the Institution/organisation
(NOC from the employer be enclosed)
Tel. No.
Post held since Permanent/temporary/ad hoc

DECLARATION

I declare that I shall abide by the regulations, rules and instructions for the degree of Doctor of Philosophy of Panjab University which I have read.

Date

(Signatures of Applicant)

CONSENT OF THE PROPOSED SUPERVISOR(S)

- 1.
2.

Date

Signatures of the proposed Supervisor(s) with complete address, Phone Number etc.

(i)

PROFORMA FOR PH.D. THESIS EXAMINER'S REPORT

Name of the Candidate : Mr./Ms.

Title of the thesis :

Faculty :

Report

(Since Ph.D. is one of the highest degrees, the examiner is expected to make a thorough and critical examination of the thesis and give an exhaustive report, justifying its acceptance/revision/rejection for the award of the degree. In case of acceptance of the thesis, the report will be made available to the candidate without disclosing examiner's identity).

Please fill in each column with detail as far as possible; extra page could be used, if required.

General Comments :

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Strengths of the thesis :

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Weaknesses of the thesis :

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Specific Comments in terms of :

Background and relevance of the research problem : Theoretical and/or applied :

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.....
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Clarity of the objectives :

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.....
.....

Review of Literature covering :

Major works, including recent in the field :

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.....

Inadequancies/gaps of earlier works :

Linkages with research problem :

Formulation of the hypothesis(es) :

Material and Research Methodology : (Adequacy of experiments/techniques/sample size, methods of data collection, processing and analysis) :

Discussion/Interpretation of results, hypotheses testing and inferences drawn :

Quality of the thesis in terms of	:	
Organization of contents	:	Good/Very Good/Excellent
Language coherence	:	Good/Very Good/Excellent
Presentation of results through graphs/tables/equations/histograms, etc.	:	Good/Very Good/Excellent
Format and arrangement of references/bibliography	:	Good/Very Good/Excellent

Relevance of the published research papers of the candidate with the problem :

Publication potential of the thesis as such or in parts in quality journals/book :

Recommendations :

Based on the above observations, I am of the opinion that the candidate Ms/Mr.qualifies/does not qualify for the award of Ph.D. degree in its present form. I, therefore, recommend that he/she be —

- (a) awarded the degree of Doctor of Philosophy of Panjab University.
- or
- (b) asked to revise the thesis without further work in the light of the above observations.
- or
- (c) not awarded the degree of Doctor of Philosophy of Panjab University on the basis of the presented thesis.

In case of (a) above, a list of at least five questions (on a separate sheet) to be asked from the candidate at the time of viva voce, be supplied in a sealed envelope.

Date :

(Examiner's signature)

Name and address :

.....
.....
.....

Proforma for Viva Voce Report

Name of the Candidate :

Title of the thesis :

Faculty

Date of Viva Voce : Place/Department

Comments on the quality of presentation :

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.....

A brief account of the questions sent by the Ph.D. Examiners with their respective reports and candidate's response to each question :

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Comments on the candidate's ability to answer questions from the examiners and the audience

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.....

Recommendations : for the award of degree or conducting the viva voce again :

.....
.....
.....

Internal Examiner

External Examiner

Chairperson

Sample of the Title cover of the thesis

TITLE EXACTLY AS APPROVED BY THE RDC
(ALL IN CAPITALS FONT SIZE 14, BOLD, ARIAL, CENTRE)

A THESIS
Submitted to the
FACULTY OF
PANJAB UNIVERSITY, CHANDIGARH
for the degree of

DOCTOR OF PHILOSOPHY

YEAR OF SUBMISSION

Name of the candidate in w/ Arial font size 14 bold
Address of the department where registered

On the bone of the thesis
Ph.D. Thesis, Its title in bold caps, name of the candidate and year of submission

(vii)

Colour of the thesis cover (Faculty-wise)

<u>Faculty</u>		<u>Colour</u>
• Arts	:	Sky blue
• Science	:	Navy Blue
• Engineering & Technology	:	Brown
• Design & Fine Arts	:	Pink
• Pharmaceutical Sciences	:	Grey
• Medical	:	Red
• Dairying, Animal Husbandry and Agriculture	:	Green
• Education	:	Lime
• Languages	:	Purple
• Law	:	Violet
• Business Management & Commerce	:	Orange

Along with the prescribed number of copies of the thesis, an electronic version of the thesis on CD in Acrobat programme to be submitted. After the viva voce the e-summary of the thesis be sent to the Department of Computer Science and Application for placing it on the University's web site.

SIX-MONTHLY PROGRESS REPORT PROFORMA FOR PH.D. CANDIDATES

(To be submitted bi-annually by June 30 and December 31)
(Please use extra sheet/s where required)

1. Name of the candidate : _____
2. Faculty : _____
3. Department : _____
4. Enrolment No. and Date : _____
5. Registration No. and Date : _____
6. Tentative/Approved Title : _____

- 7.* A summary of the work done during the last six months (Depending upon the stage of Ph.D. work providing details of (i) Review of Literature; (ii) Experimentation/Data Collection, Field work; (iii) Data Processing; (iv) Data Analysis and Interpretation and (v) Stage of Thesis Writing, with specific reference to the goals set for the previous 6 months.
- 8.* Did you complete the tasks and achieve the goals you had set for the period under report ?
- 9.* Difficulties, constraints faced in achieving the objectives that had been formulated for the period under report.
- 10.* Work to be undertaken providing specific details (in quantifiable terms to the extent possible) of the plan of work for the next 6 months.

**To be provided separately.*

Certificate

It is certified that the information provided above is correct to the best of my knowledge. I shall try my best to achieve the above targets during the next six months.

Name of the Candidate : _____

Signature with date : _____

Certificate

I/We approve and certify the progress report and plan of work submitted by the candidate.

Supervisor(s) Name(s) : _____

Signature(s) with date : _____

Counter-Signature of the Chairperson

Note : The Chairperson of the Department will place the six-monthly progress report so received before the joint meeting of the Administrative and Academic Committees of the Department within one month of its receipt. The Chairperson will send the minutes and recommendations of the Joint Committees to the Secrecy Branch (Theses Section) within a week's time and a copy of the report be also kept in the personal file of the candidate to be maintained by the Department concerned. In the case of a candidate who does not submit the progress report within the stipulated time, the Committees may recommend suitable action, and repetition of such a practice might invite cancellation of his/her Ph.D. registration/enrolment.

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and

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