

Fee Code: E0060

PANJAB UNIVERSITY

CHANDIGARH



Ph.D. Handbook

(Guidelines & Eligibility Criteria)

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Amendment in Panjab University Ph.D. Guidelines, 2017 in accordance with the U.G.C. Minimum Standards and Procedure for award of M.Phil./Ph.D. degree Regulations 2016 published on 5th July, 2016.

1. Short title, Application and Commencement

- 1.1. These guidelines may be called Panjab University (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degrees) 2017.
- 1.2. They shall apply to Departments/Centres of Panjab University including all regional centres and all affiliated/Constituent colleges of Panjab University,
- 1.3. They shall come into force with immediate effect.

2. Eligibility criteria for admission to the M.Phil. programme:

- 2.1. Candidates for admission to the M.Phil. programme shall have a Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.
- 2.2. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/ Differently-Abled and other categories of candidates as per the decision of the Commission from time to time, or for those who had obtained their Master's degree prior to 19th September, 1991. The eligibility marks of 55% (or an equivalent grade in a point scale wherever grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible based only on the qualifying marks without including the grace mark procedure

3. Eligibility criteria for admission to Ph.D. programme:

Subject to the conditions stipulated in these guidelines, the following persons are eligible to seek admission to the Ph.D. programme:

- 3.1. Master's Degree holders satisfying the criteria stipulated under Clause 2 above.
- 3.2. Candidates who have cleared the M.Phil. course work with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) and successfully completing the M.Phil. Degree of Panjab University shall be eligible to proceed to do research work leading to the Ph. D. Degree. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC(non-creamy layer)/differently-abled and other categories of candidates as per the decision of the Commission from time to time.
- 3.3. A person whose M.Phil. dissertation submitted to Panjab University has been evaluated and the viva voce is pending may be admitted to the Ph.D. programme.
- 3.4. Candidates possessing a Degree considered equivalent to M.Phil. Degree of an Indian Institution, from a Foreign Educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions, shall be eligible for admission to Ph.D. programme.

It is clarified that candidates, who have M.Phil degree from Panjab University and after taking admission to M.Phil based on entrance test will be eligible to take admission to Ph.D. programme without the entrance test; however, such candidates would have to qualify the interview. Candidates having M.Phil degree from any other institution / agency / university shall have to seek admission in Ph.D. programme through its normal admission process like entrance test, interview etc.

4. Duration of the Programme:

- 4.1. M.Phil. programme shall be for a minimum duration of two (2) consecutive semesters / one year and a maximum of four (4) consecutive semesters / two years.
- 4.2. Ph.D. programme shall be for a minimum duration of three years, including course work and a maximum of six years.
- 4.3. A candidate need not seek any extension for submission of thesis upto 6 years from the date of registration. After 6 years, a maximum of two years extension be granted while giving the

justification. Extension may be granted by the Dean of University Instruction on the recommendation of the Chairperson and the concerned Supervisor. A fee of Rs. 25,000/- per year will be levied from such candidates. It is clarified that however, this fee will not be charged from the women candidates and from the persons with disability (more than 40% disability).

- 4.4. The women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of one year for M.Phil and two years for Ph.D. in the maximum duration of eight years. However, they will be charged a fee of Rs. 25000/- per year for this extension (beyond 8 years). The women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of M.Phil/Ph.D. for up to 240 days.
- 4.5. If a candidate fails to submit the thesis in 8/10 years (stipulated period) as per the above-mentioned clauses; his/her registration will be cancelled.

5. Procedure for admission:

- 5.1. Panjab University shall admit M.Phil/Ph.D. students through Entrance Test' conducted at the level of the University. However, exemption from entrance test will be given to those who have already cleared any of the national test like UGC-CSIR NET including JRF, SLET, GATE. or any other prestigious test for national level scholarship / fellowship conducted at all India level on behalf of national institution(s) for example. GPAT and JEST. Direct awardees of fellowship for pursuing Ph.D. and working permanent teachers of Panjab University and affiliated college are also exempted -from the entrance test.

The GATE qualifying score be considered as the basic.

GATE/GPAT or any other national level test meant for admission to Ph.D./M.Phil shall be valid forever,

Ph.D. Entrance Test of Panjab University for admission to Ph.D./M.Phil shall be valid for 3 years.

With regard to admission in Ph.D. for foreign students, the following guidelines could be followed:

- a. International students who are being sponsored by the government body such as the ICCR or MHRD or a government agency of their own country, will be given direct admission to Ph.D. subject to the approval of the concerned department or centre.
- b. International students who have been studying in India and are present in India at the time of the Ph.D. CET will

have to sit for the test and clear it in order to be considered for enrolment.

- c. The International students who are not present in India at the time of the Panjab University Ph.D. CET will need to achieve at least band 5 in IELTS Academic or 60 in TOEFL or 150-154 in GRE or 600 in GMAT. At the time of filling the enrolment form the candidate must attach of the score in any one of the above tests.

However, all such candidates will have to qualify in the interview.

The same exemption would be followed in respect of entrance test for M.Phil program.

- 5.2. Panjab University before conducting a test for M.Phil. and/or Ph.D. programmes, shall:

- 5.2.1 decide on an annual basis through the academic and administrative committees of the respective Departments and approved research centres a predetermined and manageable number of M.Phil. and/or Ph.D. scholars to be admitted depending on the number of available Research Supervisors and other academic and physical facilities available, keeping in mind the norms regarding the scholar- teacher ratio (as indicated in Para 6.5), laboratory, library and such other facilities;

- 5.2.2 notify well in advance in the institutional website and through advertisement in at least two (2) national newspapers, of which at least one (1) shall be in the regional language, the number of seats for admission, subject/discipline-wise distribution of available seats, criteria for admission, procedure for admission, examination centre(s) where entrance test(s) shall be conducted and all other relevant information for the benefit of the candidates;

- 5.2.3 adhere to the National/State-level reservation policy, as applicable.

- 5.3. It is stipulated that each department of Panjab University, including regional centres will devise their own admission criteria based on the candidate's profile such as academic qualifications, interview performance, any other work experience, prior research activity, research aptitude etc.

The admission shall be based on the criteria notified by the Institution, keeping in view the guidelines/norms in this regard issued by the UGC and other statutory bodies concerned, and taking into account the reservation policy of the Central/State Government from time to time.

- 5.4 Panjab University shall admit candidates by a two-stage process through:
- 5.4.1 An Entrance Test shall be qualifying with qualifying marks as 50%. The syllabus of the Entrance Test shall consist of 50% of research methodology and 50% shall be subject specific. The Entrance Test shall be conducted at the Centre(s) notified in advance (changes of Centres, if any, also to be notified well in advance) at the level of the individual Department/ approved Research Centres as mentioned in clause 1.2; and
 - 5.4.2 An interview/viva-voce to be organized by the Department/ approved Research Centres as mentioned in clause 1.2 when the candidates are required to discuss their research interest/area through a presentation before a duly constituted Department Research Committee.
- 5.5 The interview/viva voce shall also consider the following aspects, viz. whether:
- 5.5.1 the candidate possesses the competence for the proposed research;
 - 5.5.2 the research work can be suitably undertaken at the Institution/College;
 - 5.5.3 the proposed area of research can contribute to new/additional knowledge.
 - 5.5.4 The University shall maintain the list of all the M.Phil. / Ph.D. registered students on its website on year-wise basis. The list shall include the name of the registered candidate, topic of his/her research, name of his/her supervisor/co-supervisor, date of enrolment/ registration.

6. Allocation of Research Supervisor

- 6.1. Any regular Professor of the Panjab University/affiliated college/ regular Principal of affiliated College with at least five research publications in refereed journals and any regular Associate/Assistant Professor of Panjab University/ affiliated college with a Ph.D. degree and at least two research publications in refereed journals may be recognized as Research Supervisor.

Provided that in areas/disciplines where there is no or only a limited number of refereed journals, the University may relax the above condition for recognition of a person as Research Supervisor with reasons recorded in writing.

- 6.2. A fulltime regular teacher of the concerned University/ Institution Deemed to be a University/College can act as a

supervisor. Re-employed teachers and Professors Emeritus of Panjab University would be considered at par with regular teachers for purpose of guiding research scholar. The external supervisor is not allowed. However, Co- Supervisor can be allowed in inter-disciplinary areas from other departments of the same institute or from other related institutions with the approval of Research Advisory Committee.

".... No new Professor Emeritus be appointed as supervisor of Ph.D. Candidate" (as per the decision of Syndicate in its meeting held on 08.03.2020 issued by D.R.(Gen.) vide letter no. 3141-3340 and date 28.05.2020).

- 6.3. The allocation of Research Supervisor for a selected research scholar shall be decided by the Department concerned depending on the number of scholars per Research Supervisor, the available specialization among the Supervisors and research interests of the scholars as indicated by them at the time of interview/viva voce. In case of approved Research Centre, the selection of research scholar will be at the level of the concerned Research Centre.
- 6.4. In case of topics which are of inter-disciplinary nature where the Department concerned feels that the expertise in the Department has to be supplemented from outside, the Department may appoint a Research Supervisor from the Department itself, who shall be known as the Research Supervisor, and a Co-Supervisor from outside the Department/ Faculty/College/Institution on such terms and conditions as may be specified and agreed upon by the consenting Institutions/Colleges.
- 6.5. A Research Supervisor/Co-supervisor who is a Professor, at any given point of time, cannot guide more than three (3) M.Phil. and Eight (8) Ph.D. scholars. An Associate Professor as Research Supervisor can guide up to a maximum of two (2) M.Phil. and six (6) Ph.D. scholars and an Assistant Professor as Research Supervisor can guide up to a maximum of one (1) M.Phil. and four (4) Ph.D. scholars. The Chairperson 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, he / she will ensure that the number of research scholars working under that supervisor is within the limit laid down. A seat with Research Supervisor will be considered vacant immediately on the submission of the Ph.D. thesis of the candidate.

The joint meeting of the Administrative Committee and Academic Committee of the Department/approved Research Centre will assign the Supervisor / Co-Supervisor.

In case of the candidates enrolled under joint supervision, prior to June 2017, the seats would be counted as half for each of the supervisors.

As a special case, an Assistant Professor approved for guiding Ph.D. students be allowed to supervise 6 students for Ph.D. after completion of 12 years of service. Similarly, an Associate Professor after three years' service be allowed to enroll 8 Students for Ph.D. program.

One supernumerary seat in exceptional situation be created and allotted to any research scholar falling under any one of the -following categories: -

6.5.1 International student interested in Ph.D. from overseas having fellowship/financial support.

6.5.2 SC/ST/JRF/SRF/Project fellow under a national/International research project with financial support for at least 2 years and fulfilling the Ph.D. enrolment criteria.

Candidate with the award of any prestigious national fellowship like PM Fellowship, Rajiv Gandhi National Fellowship (RGNF)/ INSPIRE or any other such prestigious fellowship.

A Research Supervisor having a project worth Rs. 2 crores or more in Sciences and Rs.1 crore or more for other subjects, the Supervisor be allowed to have more Research Scholars than the prescribed limit. For This purpose, the Dean of University Instruction be authorized to constitute a High-Level Standing Committee consisting of three members from the University and two from outside the University of the level of Director or above to decide the number of research scholar on case-to-case basis.

6.6. In case of relocation of an M.Phil/Ph.D. woman scholar due to marriage or otherwise, the research data shall be allowed to be transferred to the University to which the scholar intends to relocate provided all the other conditions in these regulations are followed in letter and spirit and the research work does not pertain to the project secured by the parent institution/supervisor from any funding agency. The scholar will however give due credit to the parent guide and the institution for the part of research already done.

6.7. No Faculty could become the guide of candidate from his/her blood relations.

7. Course Work

7.1. The credit assigned to the M.Phil. or Ph.D. course work shall be a minimum of 08 credits and a maximum of 16 credits.

- 7.2. The course work shall be treated as prerequisite for M.Phil./Ph.D. preparation. A minimum of four credits shall be assigned to one or more courses on Research Methodology which could cover areas such as quantitative methods, computer applications, research ethics and review of published research in the relevant field, training, field work, etc. Other courses shall be advanced level courses preparing the students for M.Phil./Ph.D. degree.
- 7.3. All courses prescribed for M.Phil. and Ph.D. course work shall be in conformity with the credit hour instructional requirement and shall specify content, instructional and assessment methods. They shall be duly approved by the authorized academic bodies. It is clarified that the course work will spread over a minimum of one semester and will comprise of at least 8 hours per week of teaching / contact hours. The syllabi for the course work for Ph.D. course as the recommendation of Board of Control / equivalent bodies be approved by the Joint Research Board / Science Research Board / Research Boards in Engineering / Business Management & Commerce / Board of Studies in Law / Board of Postgraduate Studies in Medical Education & Research / Board of Postgraduate Studies in Pharmaceutical Sciences.

Also, PU will continue with its policy that the Teaching Departments of the University, P.U. Regional Centres and recognized Research Centres will be allowed to conduct the course work for Ph.D., but the examination/evaluation/paper setting of the course work will be effected through Panjab University's concerned nodal teaching department.

- 7.4. The Department where the scholar pursues his/her research shall prescribe the course(s) to him/her based on the recommendations of the Research Advisory Committee (RAC), as stipulated under Sub-Clause 8.1 below, of the research scholar.
- 7.5. All candidates admitted to the M.Phil. and Ph.D. programmes shall be required to complete the course work prescribed by the Department during the initial one or two semesters.
- 7.6. Candidates already holding M. Phil. degree and admitted to the Ph.D. programme, or those who have already completed the course work in M.Phil. and have been permitted to proceed to the Ph.D. in integrated course, may be exempted by the Department from the Ph.D. course work. All other candidates admitted to the Ph.D. programme shall be required to complete the Ph.D. course work prescribed by the Department.

The pre-Ph.D. course work done by a candidate from any UGC recognized/ approved Research Centre, excluding through

distance mode, be accepted irrespective of the fact when and wherefrom it was done.

- 7.7. Grades in the course work, including research methodology courses shall be finalized after a combined assessment by the Research Advisory Committee and the Department and the final grades shall be communicated to the Institution/College.
- 7.8. A M.Phil./Ph.D. scholar has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7-point scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed) in the course work in order to be eligible to continue in the programme and submit the dissertation/thesis.

8. Research Advisory Committee and its functions:

- 8.1. There shall be a Research Advisory Committee. The Research Advisory Committee for each M.Phil and Ph.D. scholar will be constituted by the Joint Administrative and Academic Committee (JAAC) of respective departments/Research centre with minimum of 3 members plus Research Supervisor (RS for each M.Phil. and Ph.D. scholar. The Research Supervisor of the scholar shall be the Convener of this Committee. This Committee shall have the following responsibilities:
 - 8.1.1. To review the research proposal and finalize the topic of research;
 - 8.1.2. To guide the research scholar to develop the study design and methodology of research and identify the course(s) that he/she may have to do.
 - 8.1.3. To periodically review and assist in the progress of the research work of the research scholar.
- 8.2. A research scholar shall appear before the Research Advisory Committee once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. The six-monthly progress reports shall be submitted by the Research Advisory Committee to the Institution/College with a copy to the research scholar.
- 8.3. In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Institution/College with specific reasons for cancellation of the registration of the research scholar.
- 8.4. Within 1 ½ years of the Registration, the candidate shall apply through the Chairperson of the Department/Director/Principal

of the Research Centre for Approval of Candidacy. A candidate will be required to submit the synopsis (soft as well as hard copy) to the Chairperson of the Department/Principal/ Head of the approved Research Centre concerned. The Chairperson of the Department /Principal / Head of the approved Research Centre shall send the soft copy of the synopsis to all the members of the Research Advisor Committee (RAC). The members may give their suggestions in writing. The Chairperson of the Department/Principal/ Head of the approved Research Centre shall forward the synopsis to the University office after getting the suggestions incorporated, if necessary and approved in the meeting of Research Advisory Committee (RAC). This process, in any case, should not take more than 20 working days.

Extension upto six months for submission of synopsis / approval of candidacy may be granted by the Dean of University Instruction on the recommendation of the Chairperson of the Department/Principal/ Head of the approved Research Centre with a nominal fee prescribe by the Syndicate from time to time. However, under exceptional circumstances, condonation beyond two years and upto 6 months for submission of Ph.D. synopsis be considered by the Vice-Chancellor on the recommendation of the Supervisor and the Chairperson of the Department/Principal/ Head of the approved Research Centre with reason to be recorded for justification. In case the candidate does not apply for extension/condonation within the stipulated time, he/she may be charged double the fee. In case a candidate fails to submit the synopsis to the Chairperson of the Department/Principal/ Head of the approved Research Centre within a period of 2 years & 6 months, his/her registration shall stand as automatically cancelled. No separate intimation will be sent to the candidate.

The candidate must complete the Ph.D. Course Work before applying for Approval of his / her Candidacy.

The synopsis and the name of the Supervisor / co-supervisor will then be got approved from RDC (Research Degree Committee) of the subject / discipline concerned and thereafter from the Science Research Board / Joint Research Board / any suitable Research Board relevant for the subject / discipline of the candidate.

To cut short delay in approving the synopsis for Ph.D. and the name of the supervisor, the meeting of the Research Degree Committee be held at least quarterly and to cut short delay between approval of candidacy and submission of Ph.D. thesis, the meeting of the Joint Research Board / Science Research Board and other competent body be held at least quarterly.

The Supervisor should be treated on duty leave for attending the meetings of the Research Degree Committee, Research Monitoring Committee and “those meetings of Administrative/Academic Committee in which the case of the concerned research student is to be discussed”.

9. Evaluation and Assessment Methods, minimum standards/credits for award of the degree, etc.:

- 9.1. The overall minimum credit requirement, including credit for the course work, for the award of M.Phil. degree shall not be less than 24 credits. It is clarified that the minimum credits for M.Phil degree is 24 credits, which will include 16 credits for Course Work and 8 for dissertation.
- 9.2. Upon satisfactory completion of course work, and obtaining the marks / grade prescribed in sub-clauses 7.8 above, as the case may be, the M.Phil./Ph.D. scholar shall be required to undertake research work and produce a draft dissertation/thesis within a reasonable time, as stipulated by these guidelines
- 9.3. Prior to the submission of the dissertation/thesis, the scholar shall make a presentation in the Department/approved Research Centre before the Research Advisory Committee of the Institution concerned which shall also be open to all faculty members and other research scholars. The feedback and comments obtained from them may be suitably incorporated into the draft dissertation/thesis in consultation with the Research Advisory Committee.
- 9.4. M.Phil scholars shall present at least one (1) research paper in a conference/seminar and Ph.D, scholars must publish at least one (1) research paper in refereed journal and make two paper presentations in conferences/seminars before the submission of the dissertation/thesis for adjudication, and produce evidence for the same in the form of presentation certificates and/or reprints. The submission of Ph.D. thesis be allowed on the basis of the 'Acceptance Letter' of the research papers.
- 9.5. The Syndicate of Panjab University shall evolve a mechanism using well developed software and gadgets to detect plagiarism and other forms of academic dishonesty. While submitting for evaluation, the dissertation/thesis shall have an undertaking from the research scholar and a certificate from the Research Supervisor attesting to the originality of the work, vouching that there is no plagiarism and that the work has not been submitted for the award of any other degree/diploma of Panjab University where the work was carried out, or to any other Institution (as per annexure (I).

Regarding interpreting Turnitin Originality Report for Ph.D Thesis

- (i) Filter should be set to:
 - a) Excluding quotes(acknowledged)
 - b) Excluding Bibliography, references and footnotes
 - c) Exclude matches less than ten words in continuity
 - d) Exclude all generic terms, laws standard symbols and standards equations.
 - e) Any prior submission of work from thesis/dissertation of the candidate to Turnitin database unknowingly /mistakenly may be excluded from the originality report.
- (ii) Duly acknowledged secondary data sources be excluded from similarity analysis.
- (iii) Similarity with self published work in journals/conference proceedings is to be excluded from the analysis. This has to be clarified by the Supervisor and a note to this effect be added along with the similarity report.
- (iv) Research Methodology is to be excluded/ignored if quoted with proper references/footnotes.
- (v) Overall similarity index up to 20% is acceptable after taking (i),(ii),(iii), and(iv) above into consideration.
- (vi) Turnitin Originality Report should be certified by the Supervisor and countersigned by the Chairperson.
- (vii) Record of Turnitin Originality Report of the candidate must be maintained in the office of the nodal department.
- (viii) The subject of Hindi, Punjabi, Sanskrit and Urdu where Turnitin Originality Reports system does not function, these Departments should devise their own mechanisms to check the plagiarism.
- (ix) The Ph.D and M.Phil research work be called as Ph.D thesis and M.Phil dissertation.
- (x) The revised Anti-Plagiarism certificate and Affidavit are enclosed as Annexure-I &II.

9.6 The M.Phil. dissertation submitted by a research scholar shall be evaluated by his/her Research Supervisor and at least one external examiner who is not in the employment of Panjab University/affiliated College. The viva-voce examination, based among other things, on the critiques given in the evaluation

report, shall be conducted by both of them together, and shall be open to be attended by Members of the Research Advisory Committee, all faculty members of the Department, other research scholars and other interested experts/ researchers.

- 9.7 The Ph.D. thesis submitted by a research scholar shall be evaluated by his/her Research Supervisor and at least two external examiners, who are not in employment of Panjab University/ affiliated College, of whom one examiner may be from outside the country. The viva-voce examination, based among other things, on the critiques given in the evaluation report, shall be conducted by the Research Supervisor, at least one of the two external examiners and Chairperson of the concerned Department, and shall be open to be attended by Members of the Research Advisory Committee, all faculty members of the Department, other research scholars and other interested experts/researchers. If the Chairperson is the supervisor of the candidate, then the Vice Chancellor, will appoint one of the Professors as examiner.
- 9.8 The public viva-voce of the research scholar to defend the dissertation/thesis shall be conducted only if the evaluation report(s) of the external examiner(s) on the dissertation/thesis is/are satisfactory and include a specific recommendation for conducting the viva-voce examination. If the evaluation report of the external examiner in case of M.Phil. dissertation, or one of the evaluation reports of the external examiner in case of Ph.D. thesis, is unsatisfactory and does not recommend viva-voce, the Vice Chancellor shall appoint a third examiner. The University will send the dissertation/ thesis to that external examiner out of the approved panel of examiners and the viva-voce examination shall be held only if the report of the latest examiner is satisfactory. If the report of the latest examiner is also unsatisfactory, the dissertation/ thesis shall be rejected and the research scholar shall be declared ineligible for the award of the degree.
- 9.9 The Institutions shall develop appropriate methods so as to complete the entire process of evaluation of M.Phil. dissertation/ Ph.D. thesis within a period of 120 days from the date of submission of the dissertation/thesis. list of examiners should be submitted by the concerned department to the Secrecy Branch well before submission of thesis by the candidate. It should be ensured by the Chairperson of the Department and Secrecy Branch that the examiner/s for evaluating Ph.D. thesis shall not be repeated within a period of six months. Secrecy Branch will make database of the examiners that may be appointed by various departments. Two persons from the same city, but from different Institutions may be suggested in the panel of examiners for evaluation of a Ph.D.

thesis. As desired by UGC, the University will encourage to involve the foreign experts for thesis evaluation purpose

The Secrecy Branch must dispatch the thesis to the examiner within a week of its submission. The existing system of seeking consent from the examiners by the Secrecy Branch be continued. To expedite the process, a soft copy of the summary of the thesis be sent to the examiner by email to seek his/her consent. On receipt of satisfactory evaluation reports, Ph.D. students shall undergo a viva-voce examination based on public defense. The Examiner should be requested to bring the Ph.D. thesis at the time of viva voce, if not already sent by him/her to the office.

10. Academic, administrative and infrastructure requirement to be fulfilled by Colleges for getting recognition for offering M.Phil./Ph.D. programmes:

- 10.1. Colleges affiliated to Panjab University may be considered eligible to offer M.Phil./Ph.D. programmes only if they satisfy the availability of eligible Research Supervisors, required infrastructure and supporting administrative and research promotion facilities as per these Regulations.
- 10.2. Post-graduate Departments of Colleges, Research laboratories of Government of India/State Government with at least two Ph.D. qualified teachers/scientists/other academic staff in the Department concerned along with required infrastructure, supporting administrative and research promotion facilities as per these Guidelines, stipulated under sub-clause 10.3, shall be considered eligible to offer M.Phil./Ph.D. programmes. Colleges should additionally have the necessary recognition by Panjab University under which they operate to offer M.Phil/Ph.D. programme.
- 10.3. Colleges with adequate facilities for research as mentioned below alone shall offer M.Phil./Ph. D. programmes:
 - 10.3.1. In case of science and technology disciplines, exclusive research laboratories with sophisticated equipment as specified by the Institution concerned with provision for adequate space per research scholar along with computer facilities and essential software, and uninterrupted power and water supply;
 - 10.3.2. Earmarked library resources including latest books, Indian and International journals, e- journals, extended working hours for all disciplines, adequate space for research scholars in the Department/ library for reading, writing and storing study and research materials;

10.3.3. Colleges may also access the required facilities of the neighbouring Institutions/ Colleges, or of those Institutions/ Colleges/ R&D laboratories/ Organizations which have the required facilities.

11. Treatment of Ph.D / M.Phil. through Distance Mode/Part-time:

11.1 Notwithstanding anything contained in these Regulations or any other Rule or Regulation, for the time being in force, no University; Institution, Deemed to be a University and College shall conduct M.Phil. and Ph.D. Programmes through distance education mode.

11.2 Part-time Ph.D will be allowed provided all the conditions mentioned in the extant Ph.D Regulations are met. However, as stipulated in 11.2 of U.G.C, regulations, part-time Ph.D. scholars are allowed, as advised by UGC. Such scholars will have to do the course work of one semester either in a University department or in a Recognised Research Centre (RRC) on full-time basis. Course Work cannot be completed by distance mode. A minimum of 36 weeks of presence of a candidate is mandatory from the date of registration till the submission of thesis, either in a department of Panjab University or its regional centre or in a recognised research centre of Panjab University. This shall be applicable to all Faculties.

12. Award of M.Phil./Ph.D. degrees prior to Notification of these Regulations, or degrees awarded by foreign Universities:

12.1 Award of degrees to candidates registered for the M.Phil./Ph.D. programme on or after July 11, 2009 till the date of Notification of these Regulations shall be governed by the provisions of the UGC (Minimum Standards and procedure for Awards of M.Phil/Ph.D Degree) Regulation, 2009.

12.2 If the M.Phil./Ph.D. degree is awarded by a Foreign University, the Indian Institution considering such a degree shall refer the issue to a Standing Committee constituted by the concerned institution for the purpose of determining the equivalence of the degree awarded by the foreign University.

13. Depository with INFLIBNET:

13.1 Following the successful completion of the evaluation process and before the announcement of the award of the M.Phil./Ph.D. degree(s), the Institution concerned shall submit an electronic copy of the M.Phil. dissertation /Ph. D. thesis to

the INFLIBNET, for hosting the same so as to make it accessible to all Institutions/Colleges.

- 13.2 Prior to the actual award of the degree, the degree-awarding Institution shall issue a provisional Certificate to the effect that the Degree has been awarded in accordance with the provisions of these UGC Regulations, 2016.

Annexure (I)

CANDIDATE'S DECLARATION

I hereby certify that the work which is being presented in the thesis entitled "....." in partial fulfilment of the requirements for the award of the Degree of Doctor of Philosophy and submitted in the Faculty of, Department of....., Panjab University Chandigarh is an authentic record of my own research work carried out during a period fromto under the supervision of Prof./Dr.Department of, Panjab University, Chandigarh.

The matter presented in this thesis has not been submitted by me for the award of any other degree of this or any other institute and there is no plagiarism.

Signature with Date

(Name of the Candidate)

Registration No.....

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Signature with date

(Name of the Supervisor(s))

The Ph.D. Viva-Voce Examination of, Research Scholar, has been held onsuccessfully.

Signature of Supervisor(s)

External Examiner

Chairperson/Coordinator/Director

Annexure (II)

ANTI-PLAGIARISM CERTIFICATE

This is to certify that research work entitled “.....” is carried out by (Name of the candidate) under the supervision of in the Department of is a original piece work and no part of this work has been submitted for any other degree for this or any other University/institute. It is further certified that the thesis has also been thoroughly checked using anti-plagiarism software and % similarity is found on similarity index*. Nothing has been found that can be considered as plagiarized as per the Panjab University Plagiarism Policy.

Signature of Candidate

Supervisor(s)

Chairperson

**It is not applicable to subjects of Hindi, Punjabi, Sanskrit and Urdu as mentioned at point No (viii) of Panjab University Plagiarism Policy.*

Annexure-III

AFFIDAVIT

(Stamp Paper)

(Public Notary/ Oath Commissioner)

I,..... D/o S/o resident of
..... do hereby
Solemnly affirm and declare on the oath as under:

1. That I am a Ph.D student in the Department of
Panjab University, Chandigarh vide enrolment No.
My date of Enrollment is and title of the thesis
is.....
2. That my thesis is ready for submission and it is a piece of original work
and no part of this work has been submitted for any other degree at
this or any other University/institute.
3. That the research work of the thesis is not plagiarized as per the Panjab
University Plagiarism Policy. However, whatever portion of the thesis
has been quoted from original sources, the same has been duly
acknowledged.
4. That in case my research work is found plagiarized at any point of time
as per the Panjab University Plagiarism Policy. I shall be personally
responsible for the consequences of the same as per law.

Deponent
(Student)

Verification:

Verified that the above contents are true and correct to the best of my
knowledge and nothing has been concealed thereon.

Deponent
(Student)

Place:.....

Date:.....

Eligibility for admission in M. Phil/Ph.D. in various Departments

Basic Academic Qualification:

NOTE:

- (i) The candidates with M. Phil degree in the subjects mentioned in the Table are also eligible for Ph.D. enrollment.
- (ii) Unless, specified, the candidates with Master's degree in a subject from a Faculty will be enrolled for Ph.D. in respective faculty only. However, the candidate can have Supervisor from across the faculty subject to approval from Joint Academic and Administrative committee of the department.
- (iii) The basic academic qualification also includes - Master's degree in the respective subject from any University recognized as equivalent by Panjab University. The equivalence shall be examined and decided by the perception of the Academic Committee of the concerned department. Also, whether a subject is an allied/relevant subject will also be decided by the Academic Committee of the concerned department. This approved list of Allied/ relevant subjects is available with respective departments.
- (iv) Eligibility criteria regarding minimum marks/grade obtained are specified in Clauses #2 & #3 for M.Phil. and Ph.D., respectively, and the Procedure for admission is specified in Clause #5 of M. Phil/Ph.D. degree Regulations.
- (v) For the Regional Centres of Panjab University and Research Centres in Colleges/Institutes approved by Panjab University, The basic Academic Qualification Eligibility for enrolment/ admission in Ph.D./M.Phil. degree in a subject shall be same as that for the Panjab University Campus as is tabulated below:

Department		Basic Academic Qualification Eligibility for admission to Ph.D./M. Phil. degree enrollment
Faculty of Arts		
1.	Department of Ancient Indian History, Culture & Archaeology	Master's degree in (Ancient Indian History, Culture & Archaeology).
2.	Department of Defence & National Security Studies	Master's degree in Defence and Strategic Studies or an Allied subject
3.	Department of Economics	Master's degree in Economics.
4.	Department of Gandhian and Peace Studies	Master's degree in Gandhian and Peace Studies, Political Science/ Sociology/Economics/Public Administration/History/ Psychology/

		Philosophy, Geography/ Defense Studies and National Security Studies/ Human Rights and Duties/ Women Studies/ Social Work/ Police Administration/ Ancient Indian History/ Culture and Archeology/ Social Exclusion and Inclusive Policy.
5.	Department of Geography	Master's degree (M.A./M.Sc.) in Geography.
6.	Department of Guru Nanak Sikh Studies	Master's degree in History, Ancient History, Religious Studies, Religious and Sikh Study, Sikh Study, Comparative Study of Religion, Philosophy, Sociology, Social work, Modern Indian Language (Hindi/Urdu/Punjabi/Gurumukhi Script).
7.	Department of History	Master's degree in History or an Allied Subject.
8.	Department of Library & Information Science	Master's degree in Library & Information Science or an Allied Subject.
9.	Department of Philosophy	Master's degree in Philosophy or an Allied Subject.
10.	Department of Political Science	Master's degree in Political Science/International Relations.
11.	Department of Psychology	Master's degree in Psychology or an Allied Subject.
12.	Department of Public Administration	Master's degree in any relevant subject from Faculty of Arts.
13.	Department of Sociology	Master's degree in Sociology or an Allied Subject.
14.	School of Communication Studies	Master's degree in Journalism & Mass Communication or an Allied Subject.
15.	Centre for Social Work (UIEASS)	Master's degree in the Social Work or an Allied Subject.
16.	Centre for Police Administration	(i) Master's degree in Police Administration or (ii) Master's degree in Public Administration, Law, Forensic Science, Criminology, Political Science, Psychology, Sociology, Economics, Human Rights, Social work and Women Studies or (iii) Any subject other than those mentioned in (i) & (ii) above provided that the candidate has not less than

		five years work experience in Police Agencies.
17.	Centre for Human Rights & Duties	Master's degree in Human Rights & Duties or Political Science/ Economics/ Sociology/Psychology/Philosophy/ History/Women's Studies / Police Administration/ Public Administration/ Gandhian Studies / Social Work.
18.	Department cum Centre for Women's Studies & Development	Master's degree in any discipline.
19.	Centre for Study of Social Exclusion and Inclusive Policy	Master's degree in any subject from Faculty of Arts and Faculty of Languages as per PU Handbook of Information.
20.	Centre for Swami Vivekananda Studies	Master's degree in any subject from Faculty of Arts as per PU Handbook of Information.
Faculty of Languages		
21.	Department of Chinese & Tibetan Languages	Master's degree in Buddhist Studies and Tibetan or an Allied Subject.
22.	Department of Dayanand Chair of Vedic Studies	Master's degree in Sanskrit/ Ved/Hindi/ Punjabi/ Philosophy/ Indian Philosophy/ History/Ancient Indian History/Yoga. or Master's degree in any discipline with compulsory Diploma in Veda or Vedic Studies.
23.	Department of English & Cultural Studies	Master's degree in English.
24.	Department of French & Francophone Studies	Master's degree in French.
25.	Department of German	- not conducting Ph.D. Program.
26.	Department of Hindi	Master's degree in Hindi.
27.	School of Punjabi Studies	Master's degree in Punjabi.
28.	Department of Russian	Master's degree in Russian.
29.	Department of Sanskrit	Master's degree in Sanskrit.
30.	Department of Urdu & Persian	Urdu : Master's degree in Urdu. Persian : Master's degree in Persian.
31.	Guru Ravi Das Chair for Sant Sahitya Studies	Master's degree in Punjabi/Hindi/English.
Faculty of Education		
32.	Department of Community Education & Disability Studies	Master's degree in Education/Community Education and Development.
33.	Department of Education	Master's degree in Education.

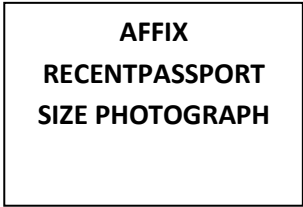
34	Department of Physical Education	Master's degree in Physical Education or an Allied Subject.
Faculty of Design and Fine Arts		
35	Department of Art History & Visual Arts	Master's degree in History of Art/Fine Arts/M.F.A.
36.	Department of Indian Theatre	Master's degree in Indian Theatre/ Theatre or any other equivalent degree in the concerned subject.
37.	Department of Music	Master's degree in Music (Vocal, Instrument, Dance & Tabla).
Faculty of Science		
38.	Department of Anthropology	Master's degree in Anthropology or an Allied subject.
39.	Department of Biochemistry	Master's degree in Biochemistry or an Allied subject.
40.	Department of Biophysics	Master's degree in Science in Biophysics or an Allied subjects or Master's degree in Engineering/ Technology in Biotechnology
41.	Department of Biotechnology	Master's degree in Biotechnology or an Allied subject.
42.	Department of Botany	Master's degree in Botany or an Allied subject.
43.	Department of Chemistry	Master's degree in Chemistry or an Allied Subject.
44.	Department of Computer Science & Applications	Master's degree in Computer Science/Computer Applications or an Allied Subject.
45.	Department of Environmental Studies	Master's degree in Environment Science or an Allied Subject.
46.	University Institute of Fashion Technology & Vocational Development	Master's degree in Fashion Technology/ Fashion Designing or an Allied subject.
47.	Institute of Forensic Science and Criminology	Master's degree in Forensic Science or an Allied subject.
48.	Department of Geology	Master's degree in Geology or an Allied subject.
49.	Department cum National Centre for Human Genome Studies and Research	Master's degree in Human Genomics / Human Genetics / Genetics / Biochemistry / Biotechnology or an Allied subject from Life Sciences/Medical Sciences or any other related interdisciplinary area.
50.	Department of Mathematics	Master's degree in Mathematics/Applied Mathematics.
51.	Centre for Medical Physics	Master's degree in Medical Physics or Master's degree in Physics & Post M.Sc. Diploma in Radiological/Medical Physics

		along with the evidence of minimum 12 months internship in a recognized well-equipped radiation therapy department.
52.	Department of Microbiology	Master's degree in Microbiology or an Allied subjects.
53.	Department of Microbial Biotechnology	Master's degree in Microbial Biotechnology or an Allied subjects.
54.	Centre for Nano Science & Nano Technology	Master's degree in Science/ Engineering/ Technology in Nanoscience and Nanotechnology or an Allied subject.
55.	Centre for Nuclear Medicine	Master's degree in Nuclear Medicine or an Allied subject.
56.	Department of Physics	Master's degree in Physics or an Allied subject.
57.	Centre for Public Health	Master's degree in Public Health or an Allied subject from Social Sciences/Social Work/Environmental/ Biological Sciences.
58.	Department of Statistics	Master's degree in Statistics or an Allied subject.
59.	Centre for Stem cell & Tissue Engineering	Master's degree in Stem Cell Biology/Dentistry/Biochemistry/ Biotechnology/ Human Genome/ Systems Biology/Zoology or an Allied subject.
60.	Centre for System Biology and Bioinformatics	Master's degree in Systems Biology and Bioinformatics or an Allied subject.
61.	Department of Zoology	Master's degree in Zoology or an Allied subject from Life Sciences.
Faculty of Law		
62	Department of Laws	Master's degree in Laws (LL.M.).
Faculty of Business Management and Commerce		
63.	University Business School	<p>Master's degree</p> <p>(i) Commerce or Management</p> <p style="text-align: center;">or</p> <p>(ii) Economics, Mathematics, Statistics, Sociology, Psychology, Public Administration, Operation Research, Social Work, Engineering & Laws.</p> <p style="text-align: center;">or</p> <p>(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 Department of University Business School, Panjab University, not less</p>

		<p>than 5 years experience of teaching Postgraduate classes.</p> <p style="text-align: center;">or</p> <p>(iv) Master of Finance and Control (MFC).</p> <p>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 & Commerce.</p> <p style="text-align: center;">or</p> <p>(v) 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 Post-graduate classes, shall also be eligible:</p> <p>a) A member (Associate or Fellow) of the Institute of Chartered Accountants of India.</p> <p>b) A member (Associate or Fellow) of the Institute of Cost & Works Accountants of India.</p> <p>c) A member (Associate or Fellow) of the Institute of Company Secretaries of India.</p>
64.	University Institute of Applied Management Sciences.	Same as # 63 for University Business School.
Faculty of Pharmaceutical Sciences		
65.	University Institute of Pharmaceutical Sciences.	<p>(i) (a) Bachelor degree of Pharmacy. (b) Master's degree of Pharmacy in Pharmaceutical Chemistry / Pharmaceutics / Pharmacognosy/ Pharmacology/Pharmaceutical analysis/ Pharmaceutical Quality Assurance/ Pharmaceutical Analysis & Quality Assurance/ Drug Discovery and Drug Development.</p> <p style="text-align: center;">OR</p> <p>Master's degree related to subjects listed under (i)-b above with equivalence of course content. The equivalence shall be examined and decided by the Academic Committee of the UIPS.</p>

		<p>(ii) Qualified GPAT/GATE.</p> <p>(iii) Direct awardees of the national fellowships from any of the agencies of Government of India but not holding qualified GPAT/GATE shall be able to register for Ph.D. but will have to qualify GPAT before their candidacy is considered for approval.</p> <p>(iv) The candidate must have an assured fellowship or scholarship for two years with annual contingency not less than the prevailing contingency of UGC junior research fellowship from a Government agency / University / industry.</p>
Faculty of Engineering & Technology		
66.	University Institute of Engineering & Technology (UIET).	<p>Master's degree in Engineering or Technology in the subjects of Computer Science & Engineering/Electronics & Communication/ Electrical & Electronics/ Information Technology / Mechanical /Biotechnology/Materials/ Microelectronics or an Allied subject approved by AICTE.</p> <p>For Ph.D. in the Subjects related to applied Science, Master's degree in Science in (Physics/ Chemistry/Mathematics) or Allied subjects (The candidates will be enrolled in Faculty of Science).</p>
67.	Dr. S.S.B. University Institute of Chemical Engineering and Technology	<p>(i) SSBUI CET - Master's degree in Engineering/Technology in the subjects of Chemical or Food or an Allied subject approved by AICTE.</p> <p>(ii) Energy Research Centre of SSBUI CET - Master's degree in Science/ Engineering/Technology in the subjects of Chemical or Food or an Allied subject is eligible.</p>

APPENDIX 'A'
PANJAB UNIVERSITY



...../Ph.D

Application form for Registration as a candidate for the degree of Doctor of Philosophy in the Department of
.....in the subject of
under the faculty ofCategory

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..... Male / Female
- (ii) (a) Father's Name : Shri
- (b)Mother's Name :Smt.....
2. (i) Permanent Home Address:
- (ii) Local Address :
- Aadhaar No.....Tel.No..... Mobile.....
- State. 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 Marks obtained Percentage
- (iv) Subject (v) Roll No.
4. Eligibility Test
5. Registration Number (if any) of Panjab University, Chandigarh
6. 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)
7. Fees of Rs. remitted vide SBI Receipt No. D.D. No.....
DatedPost Office / Bank
8. Where receiving any scholarship[/fellowship ?
If Yes,its nature, amount, tenure and source.....
9. Whether employed?.....
If yes, name and address of the Instruction /Organization
- (NOC) from the employer be enclosed).....
.....Tel. No.
- Post heldsincePermanent /temporary /adhoc.....

DECLARTATION

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.

The relevant information given is correct to the best of my knowledge. I understand that if the information given is subsequently found incorrect at any stage, my candidature for enrolment to the Ph.D. course shall stand cancelled.

Date

.....
(Signature of the Applicant)

DECLARATION / CONSENT OF THE PROPOSED SUPERVISOR (S)

I have candidates for Ph.D. under my supervision whose details (Name and registration)are given below:-

- | | | | |
|----|----|----|----|
| 1. | 3. | 5. | 7. |
| 2. | 4. | 6. | 8. |

Date.....

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

APPENDIX 'B'
PANJAB UNIVERSITY, CHANDIGARH

**AFFIX RECENT
PASSPORT SIZE
PHOTOGRAPH**

**APPLICATION FORM FOR THE DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.) IN THE DEPARTMENT OF.....
..... IN THE SUBJECT OF
UNDER THE FACULTY OF**

1. (i) Name(IN BLOCK LETTERS):Mr./Ms.....
(a) Father's Name :Shri
(b) Mother's Name :Smt.....
(c) Registration Number of Panjab University:
- (ii) Permanent Home Address:
- Aadhaar No..... Phone No.....
- (iii) Present Address for Correspondence:
- e-mail: Phone No.
- (iv) Department of the University / Approved Centre where research work will be carried out by the candidate
- (v) Date of Registration
- (vi) Tentative title of thesis/broad area of work

I am appending herewith 15 copies of the tentative design/synopsis of my proposed research project, through the Chairperson of the Department/Principal of the College. I further certify that I have thoroughly checked all words and spellings of the tentative title of the proposed thesis/broad area of work/synopsis and found the same as correct.

Date:

.....
(Full Signature of the Applicant)

Also, provide the title in Roman Script in case the Ph.D. thesis is in a language other than English.

RECOMMENDATION OF THE CHAIRPERSON OF THE DEPARTMENT OF THE PANJAB UNIVERSITY/PRINCIPAL OF COLLEGE OF APPROVED RESEARCH CENTRE BY THE PANJAB UNIVERSITY FOR RESEARCH WORK LEADING TO Ph.D. DEGREE.

- (i) I recommend that the candidate Mr./Ms. be registered for
Name
The degree of Doctor of Philosophy (Ph.D.) in the Faculty of
- (ii) I further recommended that:-
(a) Mr./Ms./Dr. (Address)
..... be appointed as
his/her Supervisor/s whose consent has already been obtained in writing.
(b) The proposed title/broad area of work/synopsis as mentioned above be approved.
- (iii) It is certified that the recommendation regarding appointment of Supervisor/s is covered under the relevant rule/s relating to number of candidates which could be guided by a Supervisor/s (as contained in P.U. Calendar, Volume III & Ph.D. guidelines).

- (iv) It is further certified that the appointment of Supervisor/s and tentative title of Ph.D. thesis/broad area of work have been duly recommended by the Academic and Administrative Committee of the Department/Approved Research centre in their joint meeting held on Para
- (v) To register the candidate all the Rules, Regulations are followed as per Panjab University Calendar Ph.D. guidelines (as amended).

Signature/s, designation and address of Supervisor/s

- (i)
-
- (ii)
-

Dated:

Signature (along with Seal of the Office)
of the Chairperson of the Department/
Principal of the approved Research centre

FEE

Fee for Ph.D.
(payable at the time of Synopsis
Submission in the University Office)



Rs.1,575/- (For students who have passed their Masters/
M.Phil. degree examination from Panjab University)
&
Rs.7,075/- (For students who have passed their Masters/
M.Phil. degree examination from other Universities)