

G.B. PANT ENGINEERING COLLEGE
PAURI-GARHWAL, UTTARAKHAND
Ordinance for the Degree of
DOCTOR OF PHILOSOPHY

1. ELIGIBILITY

A candidate seeking registration for the degree of Doctor of Philosophy (Ph.D.) in **G.B.Pant Engineering College, Pauri-Garhwal, (Uttarakhand)** (here-in after called as College) must hold one of the following qualifications:

- (a) Master's degree with first division in the appropriate field of Engineering & Technology for Engineering departments.(For Biotechnology department candidates with Master's degree with first division in the field of Bio Technology/Bioinformatics/Life Sciences are also eligible).
- (b) MCA degree/M.Sc.(Computer Science/Information Technology) with first division for Computer Science and Applications department
- (c) Master's degree with first division in the field of Physics / Chemistry / Mathematics/ Management/ English/Environment Science.
- (d) Notwithstanding anything contained in above-mentioned rules (a) to (c), the eligibility criteria/ guidelines prescribed and/or issued by All India Council for Technical Education (AICTE) and/or UGC from time to time shall also be applicable for registration to Ph.D. Programme(s) of the College.

2. REGISTRATION

- (a) The College shall invite applications for registration to Ph.D. programme twice in a year (once in each semester).
- (b) A candidate seeking registration for Ph.D. degree must apply to the College on the prescribed application form.
- (c) The application form should be accompanied by:
 - (i) Prescribed application fee as applicable.
 - (ii) A No Objection Certificate (NOC) from the employer, if applicable.
 - (iii) A statement of the work that he/she might have done on the subject related to the topic of study and the copies of the research papers that he/she might have published.
- (d) A candidate shall normally be registered for Ph.D. degree in the subject in which he/she has passed his/her qualifying examination as stated in the Eligibility Criterion. In special cases a candidate qualifying in subject-X may be permitted for registration to Ph.D.

programme in subject-Y provided the Research Development Committee (RDC) of subject Y accepts the topic falling in its scope.

- (e) The selection of a candidate shall be made through written test / interview / presentation before the Departmental Research Committee (DRC).
- (f) The DRC shall consist of the following members:
 - (i) Head of the concerned department - Chairperson.
 - (ii) All faculty members of the department eligible for Ph.D. supervision – Member(s).
 - (iii) Dean Research or his nominee not below the rank of Associate Professor having Ph.D. – Member.

3. PRE-THESIS REQUIREMENT

- (a) Candidate(s) admitted shall have to clear 12 credits as per the following scheme within minimum one semester and maximum four semesters failing which his/her registration shall stand cancelled. However, the faculty of this college, who are registering along with the job, the minimum period, shall be two semesters and they shall be treated as part time candidates.

Teaching Scheme			Contact hours per week			Relative Weightage (%)			
S.N.	Course Title	Credits	L	T	P	CWS	MTE	ETE	Total
1	Course I	03	3	1	-	20	30	100	150
2	Course II	03	3	1	-	20	30	100	150
3	Seminar	01	-	-	2			100	100
4	Special Problem	02	-	-	4			100	100
5	Research Methodology	03	3	1	-	20	30	100	150
Total Credits		12							

CWS- Class work Sessional

MTE- Mid Term Examination

ETE- End Term Examination

- (b) For completing the course work successfully, the candidate has to attain minimum 60% marks in every subject and a minimum of 65% in aggregate.
- (c) After finishing the prescribed coursework successfully, the candidate has to appear in a written comprehensive assessment to establish his/her basic knowledge in the field of study.
- (d) The candidate has to submit research proposal along with the suggestive topic of the research work to SRC for approval within six months of the completion of course work.

4. SUPERVISOR (S)

- (a) A person duly approved by the DRC shall be permitted to act as a supervisor. A person shall be eligible to act as supervisor provided he/ she holds a Ph.D. degree in the

concerned or related subject, has good publications in reputed scientific / technical journals.

- (b) The maximum number of candidates that can be registered under a supervisor at any particular time shall be eight.
- (c) On request of the candidate and recommendation of his/her supervisor, the DRC can approve additional supervisor.
- (d) In case a duly approved supervisor later on ceases to act as the supervisor by virtue of his/her retirement or transfer or otherwise, the candidate shall be permitted to choose another supervisor provided the above-mentioned criteria (a) to (c) are satisfied and the concerned DRC approves it. However, if the outgoing supervisor is willing and is available in the country, he may be allowed to continue as an additional supervisor.

5. STUDENT RESEARCH COMMITTEE (SRC)

- (a) There shall be a separate SRC for each candidate.
- (b) Constitution of SRC
 - (i) Nominee of the Chairman, RDC
 - (ii) Supervisor (s)
 - (iii) One internal/ external subject expert
 - (iv) One member from other department
- (c) Role of SRC

SRC shall perform the following functions:

- (i) Decide the course work (Pre Ph. D courses) to be carried out by candidate.
- (ii) To approve the research proposal and title of the research work submitted by the candidate.
- (iii) To monitor the progress of candidate in every six months.
- (iv) To review the pre-submission presentation and make necessary recommendation to the DRC.
- (v) To provide the panel of experts for evaluation of the thesis to The Chairman, RDC for approval.

6. RESEARCH DEVELOPMENT COMMITTEE (RDC)

- (a) There shall be a separate RDC for each of the subjects falling under different Board of Studies.

(b) Constitution of RDC

- (i) Principal as Chairman.
- (ii) Convener of RDC will be the concerned department head.
- (iii) One Nominee from the affiliating University.
- (iv) Concerned Supervisor(s).
- (v) Dean (Research) as Member Secretary

7. DURATION

- (a) The minimum period for submission of Ph. D. thesis for candidates enrolled as full time shall be Five semester and enrolled as part- time shall be Seven semester from the date of registration.
- (b) The Maximum period permitted for submission of Ph. D. thesis for a candidate shall normally be five years (for regular candidate) and six years (for part time candidate) from the date of provisional registration. In special circumstances, a maximum extension of two years in installments of six month can be provided by the Vice Chancellor on the recommendation of the Chairman, RDC.

8. PLACE OF Ph.D. WORK

For being a full time candidate, he/she has to stay in the college for the entire duration of his Ph.D. programme. However, he/she may be permitted to pursue his / her research at his/her parental organization or at any other R & D organization of repute after completion of his/her course work and shall be termed as part-time candidate on the recommendation of DRC and subsequent approval of Chairman, RDC.

9. THESIS SUBMISSION

- (a) It is presumed that a candidate would endeavor to present quality work in the thesis leading to publication in at least two journals of good repute/impact factor/SCI. The SRC will give due consideration on this point before recommending for submission of thesis.
- (b) Before submission of Ph. D. thesis, the candidate shall have to deliver a pre Ph. D. presentation before the SRC. The hard copies of the presentation report, in triplicate, should be submitted to the Chairman, SRC one week in advance. If the SRC recommends, the candidate shall be allowed to submit the thesis to Dean (Research). The presence of supervisor is essential in the pre Ph. D. presentation.
- (c) The candidate shall be allowed for the pre-submission presentation only when he/she submits a certificate from the supervisor that he/she has put in not less than 200 days of attendance at the designated place of work with one of the supervisor (s)
- (d) The medium of expression for the thesis shall be English language. The use of Hindi language as a medium of expression, if desirable, shall be permitted after the specific permission of the Chairman, RDC.

- (e) The thesis shall be typed on both sides following prescribed format and specifications and should be spirally bound to facilitate corrections, if any, suggested by the examiners. The candidate shall submit three typed copies of his/her thesis along with a CD to the College and pay the prescribed examination fee. The published matter related to the thesis may also be incorporated as a part of the thesis.
- (f) The thesis shall be accompanied with a certificate issued by the supervisor (s) stating:
 - (i) That the thesis embodies the original work of the candidate and it has not been earlier submitted for award of any Degree or Diploma.
 - (ii) That the candidate worked under him/them for the period prescribed by the RDC.

10. THESIS EXAMINATION

- (a) Three months before the submission of the Ph.D. thesis the supervisor shall inform to the Dean (Research) of the College enclosing eight copies of the detailed summary giving an outline of the work done, results obtained and the relevant references.
- (b) After submitting the detailed summary as per (a) above, the candidate has to submit his thesis within six months, failing which he/she will have to make fresh pre-submission presentation before SRC after obtaining approval from chairman RDC.
- (c) The supervisor/SRC will prepare a panel of eight experts (from India/abroad) qualified to examine the thesis and forward it to the Dean (Research) of the College. The Chairman, RDC will appoint two examiners from India/abroad to whom the thesis will be sent for evaluation. The proposed thesis examiners should be from reputed institutions and should actively be involved in research.
- (d) A copy of detailed summary shall be sent to both the external examiners for their consent which should, normally be, obtained within one month otherwise the same shall be sent to the alternate examiner(s) from the panel. In case the entire panel is exhausted without getting consent, the supervisor(s)/SRC shall be requested to submit fresh panel of examiners.
- (e) On receiving consent, thesis shall be sent to both the external examiners and supervisor(s). Normally, three months time shall be given to the examiners for submitting the report. The maximum extension of two months may be given to any examiner, failing which the Chairman, RDC may appoint alternate examiner(s) from the panel.
- (f) The examiners have to make specific recommendations and suggestions in the prescribed format.
- (g) If one external examiner approves the thesis and the other external examiner recommends revision, the comments of the examiner recommending revision shall be sent to the supervisor and candidate without disclosing identity of the thesis examiner for the clarifications / comments.
- (h)

- (i) In case of minor revision, the thesis can be resubmitted to the College in a period not earlier than one month and not later than three months from the date of communication to the candidate.
 - (ii) In case of major revision, the RDC may permit the candidate to revise his/her thesis and submit to the College in a period not earlier than three months and not later than one year from the date of communication to the candidate. The candidate shall have to pay an additional examination fee as prescribed by the College for resubmission of his/her thesis.
- (i) The revised thesis shall normally be examined by the old set of examiners provided they agree for reevaluation. If anyone examiner's report is not satisfactory or any examiner does not agree for reevaluation of the revised thesis, another examiner will be appointed from the panel by Chairman, RDC. The consent of the examiner shall be obtained by sending a copy of the detailed summary. A copy of each of the reports pertaining to examination of the thesis earlier submitted shall also be sent to the examiners. The examiners shall clearly recommend whether the thesis is approved or rejected.
 - (j) If both the examiners approve the thesis, the Viva-Voce examination will be conducted. If both the examiners reject the thesis, the thesis shall be rejected finally. If only one examiner rejects the thesis, the thesis shall be sent to alternate examiner from the panel for obtaining his/her views. If he also rejects the thesis, the thesis shall be rejected finally. However, if the alternate examiner approves the thesis the Viva-Voce examination will be conducted.
 - (k) In case the thesis is approved, an open Viva-Voce examination for the candidate shall be arranged. The candidate shall submit **five** hard bound copies duly typed on both sides and including all the corrections proposed by the examiners to the college prior to Viva-Voce examination. The Board for viva-voce shall comprise of:
 - (i) One examiner who approved the thesis nominated by the Chairman, RDC.
 - (ii) Chairman, DRC
 - (iii) The supervisor (Internal Examiner).
 - (l) The Viva-Voce Board shall make a final recommendation for award of Ph. D. degree.

11. AWARD OF Ph.D. DEGREE

- (a) The candidate shall be awarded provisional Ph.D. degree provided the concerned DRC after considering the report of the Board of Viva-voce examination recommend it to the RDC. The degree shall be awarded by the UTU, Dehradun in their Convocation programme.
- (b) The College reserves the right to withdraw the Ph.D. degree in case at any stage it is found that the thesis submitted by the candidate is duplication of an old work or pirated research work.