



**PACIFIC ACADEMY OF HIGHER EDUCATION &  
RESEARCH UNIVERSITY, UDAIPUR**

**ORDINANCES & REGULATIONS**

**Ph.D. Programme**

*(As per UGC Regulations - 2009)*

**Pacific Hills, Pratapnagar Extension, Airport Road, Udaipur – 313024**

## **Preamble**

**The Pacific Academy of Higher Education and Research University** here in after also referred as Pacific University / PAHER University offers doctoral research programmes in the Various Faculties / Departments leading to the award of Ph.D. Degree. The award of Doctor of Philosophy degree is an academic achievement of high esteem. Innovativeness and creativity in the work and reliability and validity in the findings shall constitute the core criteria to assess and evaluate the research work for the award of Ph.D. degree. Originality in the work shall be of paramount importance. The grant of Doctor of Philosophy shall be governed by the ordinance and regulations that follow hereafter.

The candidate shall be enrolled for Ph.D. degree on the vacant seats in the Faculties/Departments twice in a year through a written test followed by an interview.

The University strives to promote research of International Standards and shall also help and encourage the students to seek patents and publish research papers in national and international journals.

## **Ordinances**

- O.1** The minimum educational qualification for the admission to the Ph.D. program shall be a Master degree in relevant discipline from a recognized university/ Institute. The qualification for admission in Ph.D. Programme in various Faculties is specified in the Schedule I.
- O.2** The students will seek admission through an Admission Test followed by an interview.
- O.3** Every candidate will be required to remit the admission fee, the requisite term fee, the final thesis submission fee and laboratory/workshop fee as specified in the Schedule II.
- O.4** A student shall be required to earn prescribed minimum credits in the course work before he/ she starts research work and carry out his/her research work under the guidance of supervisor appointed by the university to guide the candidate.
- O.5** The minimum period of registration/ admission for full time Ph.D. candidate shall be 24 months and for part time candidates, the minimum period of registration/ admission shall be 30 month.
- O.6** If a student/candidate withdraws from his Ph.D. programme his/her admission is terminated, his/her student/candidate status ceases. If such a candidate is re-admitted within a period of five years he/she may be given weightage to the credits acquired during the previous registration on the recommendation of the Committee as defined except in the case of termination on disciplinary grounds.
- O.7** The award of the Ph.D. to an eligible candidate shall be made in accordance with the regulations of the University.

## **Definition**

- (i) **"Applicant"** shall mean an individual who applies for admission to the Ph.D. programme of the Pacific University on a prescribed Application Form.
- (ii) **"Candidate/Student"** shall mean a person registered for the Ph.D. degree and who has successfully completed the course requirement or equivalence and devote his/her full/part time for completing the degree requirements.
- (iii) **"Supervisor"** shall mean a person duly recommended and approved by Dean Faculty/HOI and approved by Dean PG Studies to guide/supervise the student/candidate for doctoral research.
- (iv) **"Co-supervisor"** A co-supervisor may be appointed both from within the institute or from outside the institute, if the work is of interdisciplinary nature. In case the study geographical spatial or research work requires special knowledge on the specialization and there is a request from scholar / guide and on the recommendation of FRC/ DRC.
- (v) **"Course Advisor"** shall mean a faculty member nominated by the Faculty/ Dean P.G. Studies to chalk-out the programme of study of a student registered for the Ph.D. and to advise him/her on the courses to be taken by him/her. If a supervisor has already been appointed, he/she shall be the Course Advisor for that student.
- (vi) **"Course Work"** shall mean courses of study prescribed and to be undertaken by a student registered for the Ph.D. Degree.
- (vii) **"Degree"** shall mean the Degree of Doctor of Philosophy (Ph.D.) of the Pacific Academy of Higher Education and Research University of the concerned Faculty.
- (viii) **"Faculty / Department Research Committee (FRC)/(DRC)"** shall mean Research Committee its look into matters related to change of guide, re-registration of candidate, allotment of co-supervisor.

- (ix) **"Dean P.G. Studies"** shall mean the Dean P.G. Studies to be appointed by the President. All the matters related to the Ph.D. degree shall be routed through the Dean P.G. Studies.
- (x) **"Full-time Research Student/Candidate"** shall mean a person registered for the Ph.D. Degree devoting full time for completing the degree requirements.
- (xi) **"Part Time Research Student/Candidate "**a person who is registered for the Ph.D. degree and will devote a part of his/her time towards this pursuit and devote part of time towards the discharge of his/her official obligations.
- (xii) **"Industry Advisor"** shall mean a person from industry included in the panel of industry advisor for Ph.D. by the University having minimum 15 years of industry experience and at middle level and above.
- (xiii) **"Registration Period "**shall mean the length of time span commencing with the date of initial admission at the University.
- (xiv) "Post Graduate Research Board (PGRB)/ Interview Board" of the university shall comprise of the Dean PG Studies as convenor, Dean Faculty/ HOI as member one or more member nominated by the President. The board shall look in the process of interview for selection of candidate to Ph.D. Programme. A quorum of minimum 3 member is essential.
- PGRB as approved by the President shall also have the responsibility to look into the matter for the approval of synopsis time to time. President may nominate one external person as he/she thinks fit in the board. Supervisor shall also be one of the member in Board for approving the synopsis/title. A quorum of minimum three member is essential.
- (xv) **"Research Methodology Advisor"** mean a person who possesses knowledge of Research Methods to be applied in various types of researches and so approved and included in the panel of Research Methodology Advisor.

- (xvi) **“Sponsored Research”** mean a research for which researcher is receiving grant from any professional body/UGC/ICSSR/CSIR/Organization etc. for conducting the research study.
- (xvii) **“Term”** for the purpose of the Research programme a session shall consist of two terms of six months each.

## **R.1 Eligibility Criteria for Ph.D. Supervisor (Except Dental Science)**

- R.1.1(a)** A faculty member is to be recognized as Research Supervisor for Ph.D. Programme should have a Ph.D. degree in the faculty or in a related discipline and
- R.1.1 (b)** He/She should have a minimum of two publications in National/International journals/magazines with ISSN numbers to prove his/her interest in research and
- R.1.1 (c)** He/She should have at least 05 years of PG teaching or 10 years of UG teaching experience or 10 years of sponsored research experience from nationally/internationally renowned agencies like UGC, CSIR, ICSSR etc.
- R.1.2** Any person who has already supervised 5 or more candidates for doctoral research from any recognized university, can be approved as Ph.D. Supervisor by the Dean P.G. Studies on scrutiny by himself/herself.
- R.1.2(A)** Any person who has 10 years of Industry experience and have minimum of two publications in National/International journals with ISSN numbers to prove his /her interest in research. Also he/she should have a Ph.D. degree in the faculty or in a related discipline wherein he/she has applied for Ph.D. Research Supervisor.
- R.1.2(B)** Any person who is already a registered Guide/Supervisor in any approved University, can be approved Ph.D. Supervisor by the Dean, P.G. Studies on security by himself/herself.
- R.1.3** The University will constitute Research Committee of at least two members comprising the Dean P.G. Studies , Dean of the Faculty and One nominee of the President of the University (if any) to look into the fulfillment of the above criteria before giving recognition as Ph.D. Supervisor.

A Supervisor shall not have, at any given point of time, more than eight Ph.D. scholars and Five M.Phil. Scholars (including students from all universities).

Students from foreign countries may be in addition to the above numbers, subject to fulfilling AIU norms for such students.

The aforesaid number shall not include Ph.D. Scholars guided by a Supervisor as Co-supervisor.

- R.1.5** Any Faculty offering Ph.D. programmes should have a P.G. programme in the area or allied discipline.
- R.1.6** As a supervisor shall not exceed 70 years at the time of his/her approval as supervisor and not exceed 75 years at the time of registration of a candidate under him /her.



## **Eligibility Criteria for Ph.D. Supervisor in the Faculty of Dental Science**

- R.1.7(a)** A faculty member is to be recognized as Research Supervisor for Ph.D. Programme should have a Ph.D. degree in the faculty or in a related discipline or he/she should be a Post Graduate in Dental Science or related discipline with 05 years of PG teaching experience or he/she should be a Post Graduate in Dental Science or related discipline with 10 years of UG teaching experience and presently teaching P.G. students or he/she should be Post Graduate in Dental Science or related discipline with 10 years of sponsored research experience from Nationally or Internationally renewed agencies /departments/research laboratories /hospitals.
- R.1.7 (b)** He/She should have a minimum of two publications in National/International journals/magazines with ISSN numbers to prove his/her interest in research and
- R.1.8** Any person, who has already supervised 5 or more candidates for doctoral research from any recognized university, can be approved as Ph.D. Supervisor by the Dean P.G. Studies on scrutiny by himself/herself.
- R.1.9** The University will constitute Research Committee of at least two members comprising the Dean P.G. Studies , Dean of the Faculty and One nominee of the President of the University (if any) to look into the fulfillment of the above criteria before giving recognition as Ph.D. Supervisor.
- R.1.10** A Supervisor shall not have, at any given point of time, more than eight Ph.D. Scholars and Five M.Phil. Scholars (including students from all universities).  
Students from foreign countries may be in addition to the above numbers. Subject to fulfilling AIU norms for such students.  
The aforesaid number shall not include Ph.D. Scholars guided by a Supervisor as Co-supervisor.
- R.1.11** Any Faculty offering Ph.D. programmes should have a P.G. programme in the area or allied discipline.
- R.1.12** Age of supervisor shall not exceed 70 years at the time of his/her approved as supervisor and not exceed 75 years at the time of registration of a candidate under him/her.

## **Procedure for Admission & Eligibility**

- R.2.1** Candidates desirous to pursue Ph.D. should have Master's degree from a recognized University/Institute in the relevant discipline or PGDM approved by AICTE, New Delhi or qualified examination conducted by professional bodies leading to CA/CS/ICWAI shall be eligible to pursue Ph.D. degree. Candidate who has published at least one research publication at the time of applying for Ph.D. shall be given preference in admission. The qualification for admission in the Ph.D. Programme in various faculties is specified in the Schedule I.
- R.2.2** University shall admit Doctoral students through an Admission Test.
- R.2.3** The admission test shall be followed by an interview by the Post Graduate Research Board / Interview Board appointed by the university.
- R.2.4** At the time of interview, candidates are expected to discuss their research interest/area.
- R.2.5** Admission to Ph.D. degree shall be based on availability of seats and field of study as discussed during the interview.
- R.2.6** While granting admission to students to Ph.D. Programmes, The Department/Institute/School will pay due attention to the National/State Reservation Policy.

### **Allocation of Supervisor/ Co- Supervisor/ Industry Advisor:**

- R.3.1** The allocation of the University recognized Supervisor for the selected students shall be decided by the Research Board / Interview Board in a formal manner depending on the number of students per Supervisor, the available specialization among the supervisors and the research interest of the student as indicated during interview by the student. The allotment/allocation of Supervisor shall not be left to the individual student or the Supervisor.
- R.3.2** A panel of Industry Advisors may be constituted by the University for Management Studies, Pharmacy and Engineering faculty. The candidate may seek the help of Industry Advisor from the panel (if available) on the recommendation of the supervisor in view and nature of the problem under study. The supervisor may also recommend Research Methodology Advisor in all the faculties in which university is offering Ph.D. degree to help the candidate finalize the research methodology for the research work. However, the final decision in all respects shall be of the supervisor. Industry Advisor/Research Methodology Advisor would only have advisory roles.
- R.3.3** An Industry Advisor or Research Methodology Advisor shall be paid an honorarium as recommended by the Dean Faculty. However, they shall be paid for maximum 5 sittings.
- R.3.4** The doctoral candidate may be allowed to continue to do his/her research work and submit it to the University without a supervisor under extra-ordinary circumstances such as death of the supervisor/non-availability of supervisor within six months. However, an additional grace period of six months can be granted to the candidate by the faculty research committee to complete his/her doctoral research work without a Supervisor. The University shall consider such cases on the basis of their merit and its decision shall be final.

**R.3.5** For work involving interdisciplinary approach a co-supervisor may be appointed on the request of scholar and recommendation of the Supervisor / Research Board through Dean P.G. Studies.

Also co-supervisor may be appointed both from within the institute or outside the institute in case research work requires special knowledge / specialization or there is geographical spatial in the proposed research work or any such other requirements for completion of research work judiciously/ smoothly.

## **Course Work**

- R.4** After having admitted, each Ph. D. candidate is required to undertake course work of at least one semester decided by the University and shall have to earn minimum Credit/Grade as specified in the schedule from the date of admission. Course work may be carried out by doctoral candidates in sister Department/Institutes with in the University for which due credit will be given to them. The detail information about the course work in the various faculties is specified in the Schedule III.
- “The M.Phil. Passed candidates shall be exempted for carrying out the Course Work of Doctoral Research Programme.”

## **Procedure Synopsis Approval**

- R.5.1** Upon successful completion of the course work the candidate shall prepare six copies of drafted synopsis in consultation with supervisor and get it approved from him/her. While preparing synopsis the student may consult an Industry Advisor from the panel of Industry Advisors (if available) and recommended by the supervisor. If necessary then the supervisor may also recommend to the student to consult a Research Methodology Advisor in preparation of the synopsis.
- R.5.2** The candidate may from time to time consult the aforesaid two advisors during the course of his/her study. In such a case the candidate shall acknowledge the two advisors in his/her synopsis as well as his/her thesis. These two advisors shall have only advisory roles. Final decision shall be of the supervisor only. The synopsis shall be finally approved by the supervisor for the presentation in the Research Board / Committee or the time allowed by Dean P.G. Studies.
- R.5.3** Once the synopsis is approved by the Supervisor, the candidate will have to make a presentation of synopsis before the Post Graduate Research Board for the final approval.
- R.5.4** In case, any suggestions/alterations are made by the Research Board / Committee on the synopsis presented for approval, the candidate is required to incorporate the necessary changes and submit the new synopsis duly approved by the research supervisor to the office of Dean P.G. Studies.

## **Fees**

- R.6.1** The candidate shall require to remit the prescribed fee for pursuing Ph.D. in the various Faculties as specified in the Schedule II.
- R.6.2** The fee is subject to revision by the university at its discretion and the candidate will have to pay the revised fee as & when made applicable.
- R.6.3** A candidate will have to pay fee for maximum of 6 terms from the date of his/her admission. However, if a candidate does not submit his thesis within 8 terms from the date of his/her admission then the candidate will have to pay term fee again from 9th term of his/her admission. (R.8.4) However, if women candidate availing maternity leave for 6 months then she would be provided additional 6 months to submit the thesis.

## **Evaluation and Assessment Methods**

- R.7.1** Upon successful completion of the course work, if the supervisor of the concern candidate finds that the program of recent work is not proper, the supervisor may request university to take appropriate action against such candidate, including cancellation of registration. Moreover, in such case university shall give proper, just and equitable chance to the candidate to present his/her case before taking any action.
- R.7.2** Upon successful completion of the course work which shall form an integral part of the Ph. D. Programme, and upon completion of research work to the satisfaction of the Supervisor, the full time Ph. D. scholar shall draft a copy of the thesis, not before two years (24 months) of the registration. However, part-time the Ph.D. scholars will have to spend one more term (30 months) in addition to those mentioned above.
- R.7.3** A Ph.D. scholar will be registered for four years. This may be extended by one year on the recommendation of the Supervisor, be permitted an extension by the Dean P.G. Studies. Further, on the completion of 5 Years the Dean, Faculty can grant extension of one year to scholar if he/she find the reasons for non - completion are appropriate or research work is of such nature that it requires extension. The President in any special circumstances is empowered to grant additional extension for submitting the Ph.D. thesis.

In case candidate fails to submit the final thesis within this period, he/she will have to get re-registered. For re-registration, immediately on expiry of first/extended registration as the case may be, the fees applicable for fresh students shall be paid, but the student shall be exempted from taking the course work and due earned credit weightage of the course work already done would be granted. Whereas for re-registration after a gap of one or more years after the first/extended first registration, the fees and rules applicable to a fresh applicant shall be followed, including course work, submission of synopsis, thesis, etc.

- R.7.4** In case a student fails to submit the thesis or re-register within the stipulated time, the admission automatically stands cancelled.
- R.7.5** Ph.D. candidates shall publish one research paper in a referred Journal before the submission of the thesis/monograph for adjudication, and produce evidence for the same in the form of acceptance letter or the reprint.
- R.7.5 (A)** Prior to Submission of the Thesis, the student shall make a pre-Ph.D. presentation in the faculty that may be open to all faculty members and research students, for getting feedback and comments which may be suitably incorporated into the draft thesis under the advice of the Supervisor.
- R.7.6** The Ph. D. student need to submit four copies of drafted thesis to the University along with four soft copies of thesis through proper channel and it shall be evaluated by at least two external experts, out of which at least one shall be from outside the State. It shall be up to the University to have one examiner from outside the country.
- R.7.7** The supervisor should submit a panel of six examiners to the Dean P.G. Studies for the evaluation of the thesis. The Dean P.G. Studies shall recommend it to the President of the University for the Appointment of at least two experts out of which at least one shall be from outside the state out of the panel of examiners submitted by the Supervisor.
- R.7.8** A panel of examiner for evaluation of the thesis shall be strictly from external University /College/Institute.
- R.7.9** The appointed examiner shall not be of the first blood relation of the candidate.

- R.7.10** On receipt of satisfactory evaluation reports, the Ph.D. student shall undergo a formal presentation and viva - voce examination by at least one of the external examiners and the Supervisor, which shall be open to all including the teachers and research scholars as observers. Open discussions may be encouraged after completion of the formal viva – voce by the examiner.
- R.7.11** If the performance of the candidate at viva –voce examination is not satisfactory, he/she may be permitted to re-appear for the viva – voce examination within six months on payment of prescribed fees. If an examiner offers specific comments which need change or modification in the text, it should be done before the second viva – voce is held.
- R.7.12** In case of divergence of opinion among the two Experts, the report of the Examiners may be circulated to one-another with a view to bring unanimity or the thesis may be referred to a third Examiner and the decision of the majority of the three external examiners shall be final.



## **Attendance**

- R.8.1** A Ph.D. student needs to maintain at least 75% attendance in the course work classes.
- R.8.2** A full-time research student/candidate after having completed the course work must attend to his/her research supervisor on all the working days and mark attendance except when he/she is on sanctioned leave. The requirement of 75% attendance will apply as above on daily attendance except in the cases where longer leave have been duly sanctioned within the leave entitlement of the student.
- R.8.3** A Part time Candidate is required to give attendance to the concerned faculty/guide for at least 200 days before submission of thesis.
- R.8.4** A Women research candidate will be eligible for 6 months maternity leave during the period of her research work on producing such certificates issued by an authorized medical officer.
- R.8.5** Non – compliance with rules of attendance by any of the candidate may lead to cancellation of his/her registration.

## **Format For Thesis Preparation**

- R.9.1** Candidates submitting the thesis for the University Ph.D. degree is required to follow the following aspects regarding paper size, text layout etc., except in special cases in which concerned faculty dean is satisfied that it will not be possible to comply with the requirements of these rule:
- Size of the paper should be A4 (8.5" x 11.5") except for maps, drawing, graphs on which no restriction is placed.
  - The text should be typed on both side of the paper leaving a margin of 3 cm on left hand side and 3 cm on right hand side as well as 3 cm at the top and 2 cm at the bottom.
  - The text should be typed in 1.5 line spacing using normal typeface /electronic typing/ PC word processing in 12 font size of Arial/ Times New Roman; Fancy fonts should be avoided for text writing.

**R.9.2** Likewise, cover layout is also specified. Affiliation of the supervisor could be added but it should not contain administrative designation like Head of the Department/ Dean, etc.

**R.9.3** Candidates should submit thesis in the following specific colors on cover page.

Faculty of Management Studies: Cream

Faculty of Dental Sciences : White

Faculty of Engineering : Light Blue

Faculty of Pharmacy : Light Green

Faculty of Commerce : Pink

Faculty of Education : Yellow

Faculty of Science: Violet

**R.9.4** The format of cover and title page of the thesis shall be as prescribed in Annexure C1.

**R.9.5** The candidate should submit an abstract of the thesis not exceeding 1200 words with key words and title page in printed form as well as in soft copy which shall be sent to the examiner by post/e-mail for seeking consent on prescribed form for evaluation of the thesis. Consent sent by an examiner by e-mail to the Dean, PG studies will be accepted provided the same is as per the prescribed format.

**R.9.6** Following certificates shall be submitted along with the thesis:

Certificate of fulfillment of residential requirement by the candidate duly signed by the supervisor.

‘No Dues Certificate’ from the Dean of the concerned Faculty where the research work was done.

A Declaration by the candidate regarding originality of the research work should be given on A4 sheet (to be attached with the thesis) and on a non-judicial stamp paper costing Rs 100/- attested by a notary as per format given in Annexure C2.

Research papers published/ accepted of the candidate relevant to the research work as prescribed & reported in the thesis.

## **Withdrawal From the Programme**

- R.10.1** A student/candidate may be permitted by the Dean P.G. Studies to withdraw from the Ph.D. programme on medical grounds supported by a medical certificate issued by the Medical Officer or any other genuine reason(s). The medical certificate issued by a registered Medical Practitioner will also be acceptable in those cases where the student/candidate has valid reasons for his absence from the University/Institute/Centre.
- R.10.2** Withdrawal may also be granted by the Dean P.G. Studies provided he/she is convinced that the student/candidate cannot pursue his studies for the reasons beyond his control.
- R.10.3** Under no circumstances will a request for withdrawal be entertained after the course work has been completed. Student/candidate should present the medical certificate in support of his absence on health reasons within two days of his rejoining the Faculty, if not produced already. Withdrawal will not be granted retrospectively.
- R.10.4** Regularity in attending the classes and satisfactory performance in the mid-term examination, if any held prior to the date of application for withdrawal are the factors which would be taken into account while recommending/granting withdrawal.
- R.10.5** Any semester withdrawal will count towards the maximum limit of seven years as stipulated above for the part – time and six years for full – time research scholar

## **Cancellation of Registration**

**Registration of a student/candidate shall be cancelled in any one of the following eventualities, after due approval of the Dean P.G. Studies.**

- R.11.1** If he/she fails to comply with rules of attendance as stipulated.
- R.11.2** If he/she absents himself/herself for a continuous period of four weeks without prior intimation/sanction of leave.
- R.11.3** If he/she resigns from the Ph.D. Programme and the resignation is duly recommended by the Supervisor.
- R.11.4** If he/she fails to renew his registration in any semester subject to the provision contained in these Ordinances & Regulations.
- R.11.5** If his/her academic progress is found unsatisfactory.
- R.11.6** If he/she does not clear the course work examination with specified grades as stipulated.
- R.11.7** If he/she is found involved in an act of misconduct and/or indiscipline and termination has been recommended by a competent authority.

## **General**

- R.12.1** The Ph.D. candidate shall bear all expenses by himself/herself towards conduct of the study for research work. The available physical infrastructure and library facility of the University can be used for the research work.
- R.12.2** The rules and regulation are subject to changes from time to time in accordance with directives issued by the various competent authorities such as UGC/DCI/PCI etc. and academic council of the university.
- R.12.3** In case any matter is not covered by the above stated rules, the decision of the Research Board shall be final.

## **Depository with UGC**

**R.13** Following the successful completion of the evaluation process and announcements of the awards of Ph.D. the University shall submit a soft copy of the Ph.D. thesis to the UGC within a period of thirty days, for hosting the same in INFLIBNET, accessible to all the Institutions / Universities.

## **Issue Degree**

**R.14** Along with the Degree, the Degree awarding University, Institution Deemed to be University, College/Institution of National Importance, as the case may be, shall issue a Provisional Certificate certifying to the effect that the Degree has been awarded in accordance with the provisions to these Regulations of the UGC.

## **Admission Test Ph.D. Programme**

A candidate/student shall be admitted to the Ph.D. Degree through an admission test maximum of 200 marks organized by the University for this purpose. The admission test shall comprise of two sections viz.:

Section A: General Aptitude and General Awareness

(50 Objective questions of 2 marks each)

Section B: Subject oriented 50 Objectives questions of 2 marks each.

**Note: 1. No negative marking for the above Sections.**

**2. For Syllabus of Section B in various faculties refer to Schedule IV.**

## Schedule I

A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those candidates who had obtained their master's degree before 19th September 1991.

Sr. No.	Faculty	Minimum Educational Qualification
1	Minimum Educational Qualification for all the Faculties/Departments/ Subject (Except Dental Science)	Candidates for the admission to Ph.D. Programme shall have a Master's degree with a 55% marks in aggregate or a Professional degree equivalent to Master's degree by the statutory regulatory body in the relevant subject or its equivalent grade.
2	Minimum Educational Qualification for Admission to Ph.D. Programme in Dental Science	Candidates for the admission to Ph.D. Programme shall have a Masters' degree (MDS) in relevant discipline from a recognized University/ Institute.

## Schedule III (Course Work)

Ph.D. scholars irrespective of the faculty in which they are enrolled has to undergo course work for minimum of six months/ one semester. The course work shall be treated as Pre Ph.D. preparation.

All the scholars have to complete the course work successfully before writing of the dissertation as provided here under;

- Each Ph.D. candidate has to clear minimum of four courses within one or at most in two terms from the date of admission with minimum of B Grade for qualifying the course work.
- The course work shall include courses on Research Methodology and Computer Applications, Weightage of Research Methodology Course shall be 70% and Computer Applications 30%.
- Candidate have to appear in the Research Methodology and Computer

Application course test which shall be of 200 marks. The test shall be of multiple choice question with no negative marking and candidate has to secure minimum 50% marks to qualify this course.

- The course work also includes courses on Review of Literature on the work already done in the relevant field, three courses on the recent advances in subject with the supervisor and seminar presentation for the purpose to earn minimum grade/ credit and complete course work successfully. The courses done with the supervisor shall evaluated by supervisor/guide on a scale 10 each for both the courses. Tabular presentation of these courses is here under;

<b>S. No.</b>	<b>Particulars</b>	<b>Number of Courses</b>
I	Literature Survey	1 Course
II	Recent Advances in Subjects	3 Courses
III	Research Methodology and Computer Application	1 Course
IV	Seminar Presentation	1 Course

<b>Particular</b>	<b>Excellent</b>	<b>Very Good</b>	<b>Good</b>	<b>Fair</b>
Grades	A+	A	B+	B
Percentage	75% & Above	65% - 75%	55% - 65%	50% - 55%