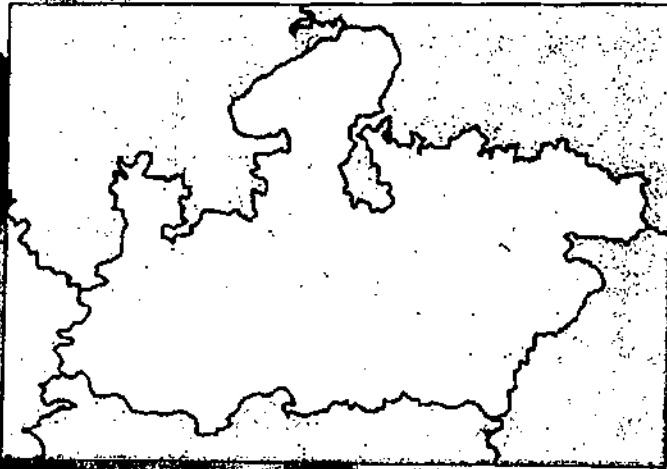


# MADHYA PRADESH UNIVERSITIES COMMON ORDINANCES



Education

MADHYA PRADESH

## ORDINANCE NO. 11

### DOCTOR OF PHILOSOPHY

*Revised in light of the University Grants Commission (Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degrees Regulations, 2016 published in the Gazette of India on July 05, 2016)*

1. The Ordinance shall come into force with effect from the date of its notification by UGC in Gazette. With the enforcement of this ordinance, existing ordinance shall be repealed.

2. No Ph.D. scholar shall join any other course/study or appear at any other examination leading to a degree, except Certificate course(s), during his/her Ph.D. programme.

3. A candidate for the degree of Doctor of Philosophy must, at the time of application, hold a Master's degree or equivalent in the concerned or allied subject with at least 55% Marks (50% for SC/ST/OBC(non-creamy layer)/Differently-Abled and other categories of candidates as per the decision of the UGC from time to time, or for those who had obtained their Master's degree prior to 19<sup>th</sup> September, 1991.) of the University, a deemed University or other University incorporated by any law for the time being in force and recognized by the University.

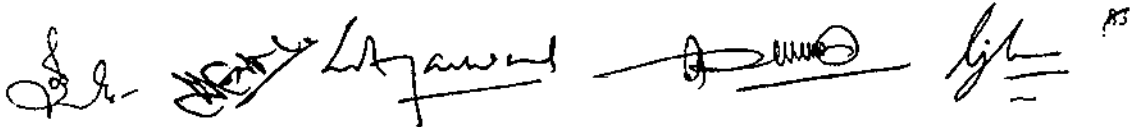
\*For Candidates belonging to the following faculties, eligibility of the candidate will be decided as follows:

- a. Faculty of Ayurved – As per CCIM norms.
- b. Faculty of Medicine –
  - I. Allopathy subjects – As per MCI norms.
  - II. Nursing subjects – As per INC norms.
  - III. Homeopathy subjects – As per CCH norms.
- c. Faculty of Dentistry – As per DCI norms.

4. A candidate shall ordinarily be permitted to work for Ph.D. Degree in the subject in which he/she has obtained his/her Master's Degree.

Provided that, research work leads to Ph.D. Degree may be allowed in allied subject of interdisciplinary nature of the same faculty or of allied faculties. In such cases, candidates may be permitted to work under one or two co-supervisors along with the supervisor.

5. Candidates shall be admitted through an entrance test followed by an interview. The students who have qualified UGC-NET with JRF / UGC-CSIR-NET with JRF / teacher fellowship holder or any other Government / Foreign research fellowship holder or have

 The bottom of the page features several handwritten signatures and initials in black ink. From left to right, there is a signature that appears to be 'Dr. ...', followed by another signature, then a signature with a circular stamp, and finally a signature with a horizontal line underneath. To the right of these signatures, the number '57' is written.

passed M.Phil. programme (as per UGC Regulations 2009 or amended thereafter) with course work shall be exempted from the entrance test but they have to appear in the interview.

6. The university shall annually decide well in advance the number of seats available for Ph.D. programme in each subject. The university shall notify on its website and through advertisement in at least two (2) national newspapers, of which at least one (1) shall be in Hindi 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.

7. While assessing the number of vacancies under a supervisor, the actual date of submission of Ph.D. thesis under his/her supervision shall be taken into account.

#### 8. Procedure of Admission:

- a. In response to the advertisement or notification of the university, the candidate desirous of seeking admission to Ph.D. programme shall be required to submit application on prescribed form (Appendix-I) along with demand draft of prescribed entrance test fee and supportive documents to the office of the Head of the proposed centre of entrance test within the given time period.
- b. Candidates shall be admitted through the **Doctoral Entrance Test (DET)**, which shall be conducted for each subject separately at the University Teaching Departments or other venues as decided by the University.

Provided that, the colleges which are approved research centers, shall be allowed to conduct the DET for the subjects not available in the University Teaching Departments.

Provided further that, the Vice Chancellor may assign to the allied or to any University Teaching Department to conduct the DET for the subjects available only in the colleges.

- c. The Vice Chancellor shall constitute a departmental Research Advisory Committee (RAC) to conduct the DET comprising of the following members:
  1. Dean of the concerned faculty - Chairperson
  2. Chairperson, Board of studies - Member
  3. Head of the Department/ Principal - Member & Co-ordinator
  4. One subject Supervisor from the UTD (if available) - Member  
to be nominated by the Vice Chancellor
  5. One subject Supervisor from a College / Research Establishment (if available) to be nominated by the Vice Chancellor - Member

*[Handwritten signatures and initials]*

If the Dean of the faculty is not available, the Vice Chancellor shall appoint any other Dean or a Senior Professor of the University to chair the Research Advisory Committee.

Chairman and two other members shall form the quorum. In case quorum is not complete then the Vice Chancellor may nominate one or two subject experts in the relevant field(s) from the same university / other university to form the quorum. University may also conduct the DET in different subjects through a committee constituted by the Vice Chancellor.

d. The functions of the RAC shall be as follows:

1. To scrutinize the applications.
2. To arrange the Doctoral Entrance Test.
3. To conduct the interview.
4. To submit the final list of candidates.
5. Any related work assigned by the Vice-Chancellor.

**9. (a) Entrance Test:**

The Doctoral Entrance Test will have the question paper in two parts. Part-A shall consist of 50 objective type compulsory questions of 1 mark each based on research methodology. It shall be of generic nature, intended to assess the research aptitude of the candidate. It will primarily be designed to test reasoning ability, data interpretation, and quantitative aptitude of the candidate. Part-A may be common within the same faculty. Part-B shall also consist of 50 objective type compulsory questions of 1 mark each based on the subject of the research. The syllabus of both parts of the question paper shall be approved by the concerned Board of Studies. The Paper shall be prepared by a panel of examiners recommended by the Examination Committee of the concerned subject and approved by the Vice Chancellor.

The duration of the Doctoral Entrance Test will be of two hours. There will be no negative marking.

The candidates must score minimum 50% marks (45% for SC/ST/OBC/PH) in the entrance test to qualify for the interview. A list of the eligible candidates for interview shall be prepared by the RAC on the basis of the result of the Doctoral Entrance Test and the same shall be submitted to the Registrar to notify.

**(b) Interview:**

The successful candidates of the Doctoral Entrance Test shall have to appear in the interview. The interview shall be conducted by the Research Advisory Committee.

*[Handwritten signatures and initials]*

The candidates are expected to bring the No Objection Letter from the proposed Supervisor and Co-supervisor (if applicable) duly forwarded from the Head of the research centre (s).

The candidates are required to discuss their research interest / area through a presentation before a duly constituted Research Advisory Committee. The interview/viva-voce shall also consider the following aspects, viz. whether:

- the candidate possesses the competence for the proposed research;
- the research work can be suitably undertaken at the research centre;
- the proposed area of research can contribute to new/additional knowledge.

The evaluation in interview will be based on 100 marks to be allocated in the following criteria, each of 25 marks:

- (i) Research plan
- (ii) Research potential/ aptitude
- (iii) Communication skills
- (iv) Subject knowledge in the respective area of research.

The RAC shall decide the cut-off marks in interview for admission for Ph.D

The Chairperson, RAC, will allocate the marks in each of above criterion after consensus. In case of disagreement among the members the average of the marks given by individual member will be the final marks in the criterion. Merit list will be prepared on the basis of the marks obtained out of 100 marks in the interview and the decided cut-off marks.

The RAC shall finalize the list of the candidates to be admitted to the Ph.D. programme in the concerned subject as per the merit and availability of seats. It shall also allot the Research centre, Supervisor, Co-Supervisor (if any), and approve the tentative area of the proposed research work. The final list shall be submitted to the Registrar. After the approval of the Vice Chancellor, the list shall be notified.

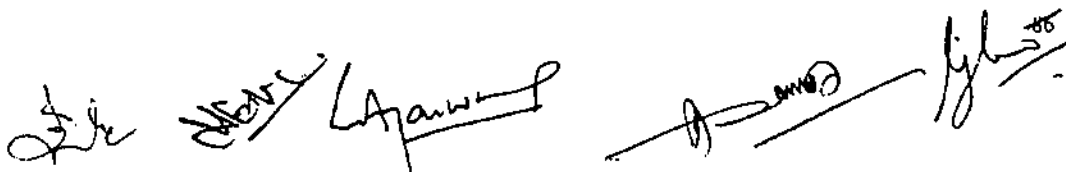
Note: (i) While granting admission to Ph.D. programme, the RAC will pay due attention to the State Reservation Policy.

(ii) The RAC should also see that only the predetermined number of students shall be admitted to Ph.D. programme.

#### 10. Allocation of Supervisor:-

The allocation of the supervisor for a selected student shall finally be decided by the RAC in a formal manner depending on the available seats with the supervisor, the available specialization among the supervisors and the research interest of the student as indicated during the interview.

In case Supervisor is not working at the research centre a Co-supervisor may be allotted from the research centre to guide and monitor the research scholar at the centre. In case



Supervisor / Co-supervisor belongs to the Research Laboratory recognized by the University as research centre through MoU then respectively Co-supervisor/ Supervisor will be allotted from the UTD with which Research Laboratory has the MoU.

In case of topics which are of inter-disciplinary nature where the RAC feels that the expertise in the research centre has to be supplemented from outside, the RAC may appoint a Research Supervisor from the research centre, who shall be known as the Research Supervisor, and a Co-Supervisor from outside the Research centre/ Faculty / College/ University on such terms and conditions as may be specified and agreed upon by the consenting Institutions/Colleges.

## II. Course Work:-

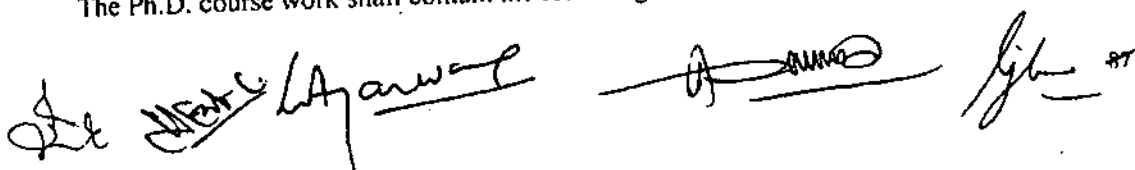
(a) The candidates selected for Ph.D. programme are required to apply for the Ph.D. registration on prescribed proforma downloadable from the university website (Appendix-II). The duly filled registration form along with the necessary documents and certificates shall be forwarded by the research centre after verifying the payments of the following fees:

- (i) Registration fee
- (ii) Ph.D. Course work fee
- (iii) Research Centre fee for six months
- (iv) Research Centre Caution Money (payable once only and refundable)
- (v) University Library fee for six months
- (vi) University Library caution money (payable once only and refundable)
- (vii) IT Infrastructure fee for six months
- (viii) Research Laboratory fee for six months (where laboratory work is involved)
- (ix) Identify card fee
- (x) Any other fee as decided by the university.

Duly forwarded Ph.D. registration form should be submitted to the University and a photocopy of the same form and documents should be submitted to the Research Centre.

The candidates already completed the course work with at least 55% of marks in M.Phil. and admitted to the Ph.D. programme shall be exempted from the Ph.D. course work and its fee. All other candidates admitted to the Ph.D. programme and submitted the Ph.D. registration form shall be required to complete the course work of 16 credits as prescribed by the University/ Research Centre during initial one or two semesters. The course work shall be treated as prerequisite for Ph.D. preparation. All courses prescribed for Ph.D. course work shall be in conformity with the credit hour instructional requirement and shall specify content, instructional and assessment methods. The examination and evaluation scheme for Ph.D. course work shall be as per the examination and evaluation scheme of the University applicable to the other programmes of the UTDs.

The Ph.D. course work shall contain the following courses:



(i) Research Methodology	4 credits
(ii) Review of Published Research in the relevant field	3 credits
(iii) Computer Applications	3 credits
(iv) Advance course in the relevant subject	3 credits
(v) Comprehensive Viva-Voce	3 credits

The course on Research Methodology should cover areas such as statistical research methods, research ethics, research report writing, etc. The course on Review of Published Research in the relevant field will be undertaken under the supervisor or the regular teacher of the centre of course work and the candidate has to consult the library or other resources to carry out the literature review. At the end of the semester the candidate has to submit a brief report on the literature review for evaluation, which will be done by the two examiners. The course on computer applications will include the computer applications helpful in the relevant subject. The advanced course in the relevant field shall comprise the topics related to the subject of research. The syllabus of the courses on research methodology, computer applications, and advanced course shall be decided by the concerned Board of Studies.

The final grades shall be submitted to the University. The University shall issue the certificate of the Ph.D. course work in the prescribed format (Appendix-III).

(b) The course work shall be conducted in the University Teaching Departments/ Research centers as approved by the Vice chancellor.

(c) A combined course work for M.Phil. and Ph.D. students may be conducted for a single / group of subjects wherever possible.

(d) If found necessary, course work may be carried out in sister UTD/ Institute within the University for which due credit will be given.

(e) If a student obtains F or Ab Grade in a course/ subject, he /she will be treated to have failed in that course. He / she have to reappear in the examinations of the course as and when conducted or arranged by the UTD in the next semester. Marks obtained earlier in continuous assessment may be carried forward and added to the marks obtained in repeat end-semester examination to decide the grade in the repeat course. The student has to pay the prescribed fee for repeating the course. If he/she further fails in the course, he/she shall not be given another chance and he/ she shall be out of the Ph.D. programme. No student shall be allowed to repeat the course to improve the grade if he/ she pass the course.

(f) The candidate has to obtain a minimum of 55% of marks or its equivalent grade points in aggregate in the course work in order to be eligible to continue in the Ph.D. programme.

#### 12. Registration of the student:

*[Handwritten signatures and initials]*

After successful completion of the Ph.D. course work the students shall submit the copy of the certificate of the course work and synopsis of the proposed research work in the prescribed Proforma (Appendix-IV) to the University within two months from the date of declaration of result of the Ph.D. course work.

The University shall conduct the meeting of the **Research Degree Committee (RDC)** consisting of the following members:

- (i) Vice Chancellor or his nominee - Chairman
- (ii) Dean of the Faculty.
- (iii) Head of the University Teaching Department/School of Studies in the subject.
- (iv) Chairman, Board of Studies in the Subject.
- (v) One external subject expert of the rank of University Professor to be appointed by the Vice Chancellor, ordinarily out of a panel of 5 experts given by the Chairman of the Board of Studies concerned. The term of panel shall be coterminous with the Chairman Board of Studies.

External expert and two other members shall form the quorum.

The candidate shall make an oral presentation of his/ her proposed research work before RDC.

**Note:** - On the request of the supervisor, Vice Chancellor may permit him / her to be present as an observer during the oral presentation of his/ her candidate.

The RDC shall recommend the topic of research and the date of registration of the candidate for the Ph.D. degree. On approval by the RDC, the candidate shall be registered and enrolled as a Ph.D. student from the date on which candidate deposited the registration fee or as decided by RDC whichever is later. Candidate will also be required to pay regular tuition, library, IT centre and laboratory fees (six monthly) during his research tenure.

Provided that, if the RDC approves the topic and suggests a minor change, then the candidate shall be allowed to submit a revised synopsis through the Chairperson, BOS and Dean of the faculty.

13. If the RDC does not approve/recommend a candidate for registration to Ph.D. Candidate shall be allowed to make an oral presentation again in the next RDC. In such cases, date of registration shall be as per the recommendation of RDC.

Provided that, if candidate fails to be present or satisfy the RDC for the second time, his / her case will be rejected / cancelled. In such case, the caution money deposited by the candidate shall be refunded.

*Deewan Lagunap*

*[Signature]*



14. A candidate shall pursue his/her research at the allotted research centre.

15. In case of any dispute in the RDC regarding allied subjects of interdisciplinary nature, the case should be referred to the Academic council. The Vice Chancellor may constitute a committee in this regard and the report of the committee should be placed before the Academic council/standing committee for decision.

16. The meeting of the Research Degree Committee shall be held in the University Office twice a year preferably in a gap of six months. The committee shall recommend the eligibility of the person for the appointment as Supervisor/ Co-supervisor and prepare a list accordingly. This list shall be available with the Registrar.

Provided that, a candidate permitted to work in a research establishment recognized by the university shall be required to take one Supervisor/ Co-Supervisor from the institution/ research establishment where the candidate is actually working.

Also provided that, a candidate may be permitted to carry out his practical work in a Research Institution/Research Laboratory/Laboratory of a University for the purpose, under the supervision of a Scientist/ Teacher of the Institution who may or may not be the Co-supervisor of the candidate.

**17. Eligibility of Supervisors/Co-supervisors:**

(i) A regular Professor of the University/College or Professor equivalent Scientist of the Research Establishment/Laboratory with at least five research publications in refereed journals and a regular Associate Professor (Reader) or equivalent Scientist /Assistant Professor(Lecturer) or equivalent Scientist of the university/college/ Research establishment with a Ph.D. degree and at least two research publications in refereed journals may be recognized as Research Supervisor/ Co-supervisor.

(ii) Only a full time regular teacher of the concerned University/ College or scientist of the research establishment recognized as research centre can act as a supervisor. The external supervisors are 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 the RDC.

(iii) A Research Supervisor who is a Professor or equivalent Scientist, at any given point of time, can guide upto a maximum of Eight (8) Ph.D. scholars. An Associate Professor or equivalent Scientist as Research Supervisor can guide upto a maximum of six (6) Ph.D. scholars and an Assistant Professor or equivalent Scientist as Research Supervisor can guide up to a maximum of four (4) Ph.D. scholars.

(iv) Maximum number of Ph.D. students can work under a Co-Supervisor will be same as under Supervisor mentioned above in column (iii). However, the Vice-Chancellor may increase the number of Ph.D. students under a Co-Supervisor under very special circumstances.

*[Handwritten signatures and initials]*

(v). In case of relocation of a 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. Such cases shall be decided by the RDC. The candidate has to pay prescribed fees to the university where she is being transferred.

\*For persons belonging to the following faculties, eligibility of Supervisors/ Co-Supervisors will be decided as follows:

- a. Faculty of Ayurved - As per CCIM norms.
- b. Faculty of Medicine -
- I. Allopathy subjects - As per MCI norms.
- II. Nursing subjects - As per INC norms.
- III. Homeopathy subjects - As per CCH norms.
- c. Faculty of Dentistry - As per DCI norms.

(vi) A recognized Supervisor/ Co-supervisor who fails to publish any research paper over duration of five years shall not be eligible to enroll any new candidate under his / her Supervision.

(vii) A regular teacher/ scientist/ scholar who wants to get himself / herself recognized as a Supervisor/Co-Supervisor shall apply in the prescribed format duly forwarded by the relevant Head/Principal/Director.

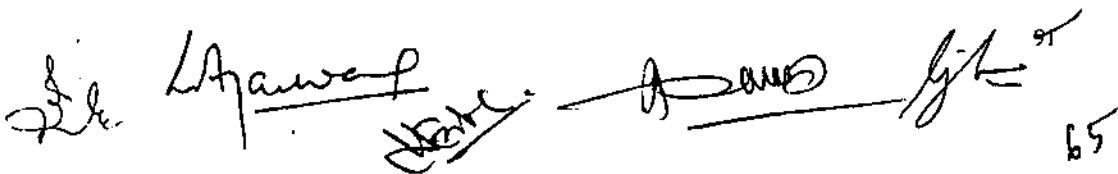
Provided that, the regular teacher who has been recognized as Supervisor/Co-supervisor under the repealed ordinance shall continue to be recognized as Supervisor /Co-Supervisor.

Provided further that, a person who is registered for Ph.D. degree in any University shall not be eligible to act as Supervisor/ Co-supervisor or member of any committee mentioned in this Ordinance.

18. The candidate shall pursue his research at the approved place of research under the supervisor/Co- supervisor on the approved subject.

The candidate shall put in at least 200 days attendance after completing course work in the Institution concerned or with the Supervisor.

The candidate shall be permitted to submit his/her thesis not earlier than three years and not later than six calendar years, from the date of registration. In case a candidate does not

The bottom of the page features several handwritten signatures and initials. On the left, there is a signature that appears to be 'Dr. Anand'. In the center, there is a signature that looks like 'Anand'. To the right, there are initials 'J.K.' and a date '9/1'. At the bottom right corner, the number '65' is written.

submit his/ her thesis within six calendar years from the date of registration and does not apply for extension in time, his/her registration shall stand automatically cancelled.

The women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of two years for Ph.D. in the maximum duration. In addition, the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of Ph.D. for up to 240 days.

Provided that the period for submission of thesis can be extended by one year by the Vice Chancellor, if he/she applies for extension at least one month before the expiry of registration period together with a prescribed fee. In case the candidate does not submit his/her thesis within the extended period his/her registration stand automatically cancelled.

Provided also that, Vice Chancellor may permit a candidate to get re-registered on the same topic on payment of re-registration fee. The minimum period of three years and attendance shall not apply to such reregistered candidates.

19. A candidate may be allowed to change the Supervisor by the Vice Chancellor on the recommendation of the RAC or Chairman BOS and Dean of the faculty under special circumstances. No major change in the topic of research will be permitted due to change of supervisor.

20. (a) The University shall obtain every six months a record of attendance, receipt of fees paid and a progress report on a prescribed format (Appendix-V) of the work of the Research Scholar from his supervisor.

(b) If the progress of work is not found satisfactory in two successive reports or no reports are received for a period of one year and the candidate fails to deposit the fee, the Vice Chancellor may order the removal the name of the Scholar from the list of those registered for the Ph.D. Degree.

**21. Evaluation and Assessment Methods, minimum standards for award of the degree:**

The candidate shall submit a draft dissertation / thesis to the research centre prior submission of the research summary and the scholar shall make a presentation in the research centre 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 supervisor/ co-supervisor.

On the advice of the Supervisor and Co-Supervisor (if any) minor changes in the thesis title may be approved by the Research Advisory Committee.

22. 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 thesis for adjudication, and produce evidence for the same in the form of presentation certificates and/or reprints.

*[Handwritten signatures and initials]*



same Institution where the work was carried out, or to any other Institution (Appendix-VI).

(c) The Certificate from the Supervisor together with Co-supervisors, if any, that the thesis fulfills the requirements of the ordinance relating to the Ph.D. Degree of the University (Appendix - VII).

(d) The candidate shall also remit with the thesis a prescribed examination fee.

25. On receipt of the thesis along with the certificates and fee, it shall be sent to the examiners. 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 the jurisdiction of the University, of whom one examiner may be from outside the country.

26. The thesis to be accepted for the award of the Ph.D. degree must comply with the following conditions:

(a) It must be a piece of research work characterized either by the discovery of the facts or by a fresh approach towards the interpretation of facts in either case it should evince the candidate's capacity for critical examination and sound judgment.

(b) It must be satisfactory in point of language and presentation of the subject matter.

27. The examiners shall categorically recommend in the prescribed proforma the acceptance/revision or rejection of the thesis together with detailed comments on the points spelled out in clause 26 of this Ordinance. The examiner must also give a list of the questions to be asked at Viva-voce examination.

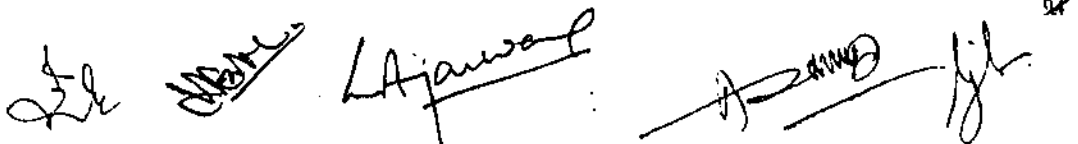
28. The Vice Chancellor can recall the thesis from an examiner who fails to send the report within two months of the date of dispatch of the thesis and appoint another examiner.

29. (a) In case both external examiners reject the thesis or one of them rejects the thesis and the other recommends a revision, the thesis shall be rejected.

(b) If both the examiners recommend for the revision of the thesis, the candidate shall be called upon to revise the thesis in the light of the observations of examiners.

(c) If one examiner approves the thesis and the other rejects it or recommends for revision the thesis shall be sent to the third examiner drawn from the panel of examiners approved by the Vice Chancellor without the reports of earlier examiners. The third examiner shall be asked to give his/her opinion and this opinion shall be final.

(d) In case both the original examiners accept the thesis for the award of the Ph. D. Degree or in the event of it being referred to the third examiner, the third examiner accepts the thesis for the award of the Ph.D. Degree, the candidate shall be called upon to appear at the viva-voce examination before a board of examiners comprising of the Supervisor / Co-supervisor (if any) and one of the two examiners (appointed by the Vice Chancellor) who have accepted the thesis for the award of the Ph.D. degree. Provided that the Vice

The bottom of the page features several handwritten signatures in black ink. From left to right, there are four distinct signatures. The second signature from the left appears to be 'Lajawal'. The fourth signature from the left is followed by a small '24' written above it. The page number '68' is written in the bottom right corner.

Chancellor shall appoint Head Department/School of Studies or Chairman Board of Studies of the subject concerned to act as viva-voce examiner in place of the Supervisor, in case the candidate is related to the Supervisor.

(e) The Supervisor/Head University Teaching Department/School of Studies/ Chairman, Board of Studies of the subject concerned, as the case may be, shall be communicated the name of the external examiner appointed by Vice Chancellor to conduct the viva-voce examination. The date fixed for the viva-voce be informed to the candidate and the Registrar.

Provided that (looking to the) in special circumstances, Vice Chancellor may appoint alternate viva-voce examiner if both the examiners are not in a position to conduct the viva-voce examination.

(f) The viva-voce examination shall be conducted at the University Teaching Department/School of Studies in the subject/ research centre / or at any place and also through Video Conference, in case the candidate is unable to give Viva at the centre, fixed by the University for the purpose. The date, time and place of viva-voce examination shall be notified by the Registrar at least a week in advance. At the time of viva-voce examination, the board of examiners shall be provided the reports of the examiners which shall be returned along with the report of viva-voce examination to the Registrar.

(g) The candidate shall present the work embodied in the thesis before the board of examiners, members of / faculty, research scholars and other interested persons. After the presentation of the research work, the Board shall ask questions together with those questions which have been given along with examiners reports. Others in the audience can also ask questions and the candidate shall reply only those questions which are permitted by the external examiner.

(h) In case the recommendations of the vivo-voce examiners differ from that of the thesis examiner or there is difference of opinion between the viva-voce examiners, the candidate shall reappear at a second viva-voce examination within six-months. If the candidate fails to satisfy the viva-voce examiners a second time, his/her thesis shall be finally rejected. Such candidates would be required to pay an additional prescribed fee for second viva-voce. The external examiner for second viva-voce shall be appointed by the Vice Chancellor.

30. If the examiners recommend that the candidate be asked to revise/improve his thesis, the candidate has to resubmit his thesis not earlier than six months and not later than eighteen months, the period being counted from the date of the issue of order to the candidate. The candidate shall be provided examiners(s) reports without disclosing the names of the examiners to enable him/her to improve the thesis. All the copies of thesis shall also be returned to the candidate.

In case the candidate is allowed to resubmit the thesis he/she will have to pay a prescribed fee afresh at the time of resubmission, but it shall not be necessary for him to

*[Handwritten signatures and initials]*

reproduce any certificate of further attendance at the institution at which he/she carried out the work.

The resubmitted three copies with a soft copy in the form of CD of the thesis must make clear mention that it is a revised version.

The thesis shall be got examined as far as possible by the examiners who finally recommended for the revision.

In case both the examiners of revised thesis accepted the thesis for the award then the candidate shall be awarded the Ph.D. degree on successful viva-voce examination as per provisions of clause 29 of the Ordinance.

In case a candidate is asked to revise the thesis under clause 29(b) and one of the examiners recommends again for revision and the other accepts the thesis for award then the thesis shall be sent to the third examiner, if the third examiner rejects or recommends for revision the thesis shall stand rejected. If he accepts for the award then the candidate shall be awarded the Ph.D. degree on successful viva-voce examination as per provision of clause 29 of the Ordinance.

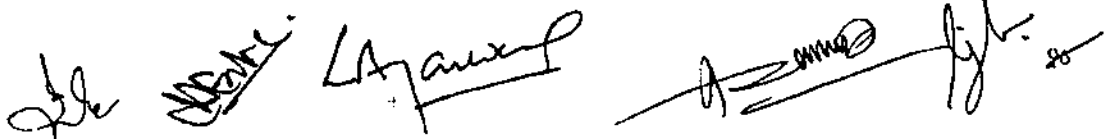
In case a candidate who has been asked to revise the thesis under class 29 (c) and one of the examiners recommends again for revision and the other accepts the thesis for award then the candidate shall be awarded the Ph.D. Degree on successful viva-voce examination as per provision of clause 29 of the ordinance. If the revised thesis is required to be revised a second time, it shall automatically stand rejected.

31. The thesis shall be published only with the permission of the University and such publication shall state on the title page itself that this was a thesis approved for the award of the Ph. D degree of the University.

32. After the viva-voce, the recommendation of the examiners shall be reported to the Executive Council for the award of Ph.D. degree to the candidate. One copy of the thesis will be kept in the University Library and another copy will be kept in the Departmental Library of the Institution where the research work was carried out, the third will be returned to the supervisor. After successful completion of the evaluation process and before the announcement of the award of the Ph.D. degree, the university shall submit an electronic copy of the Ph. D. thesis to the INFLIBNET, for hosting the same so as to make it accessible to all Institutions/Colleges.

33. After the declaration of the result the successful candidates may be provided the copies of reports of examiners who recommended for the award of the degree on payment of prescribe fee. The reports will not be disclosed the identity of the examiners.

34. On detection of any irregularity, the University shall take suitable steps to withdraw the degree as per provisions of Section 6 [12] of the Adhiniyam.



The university shall develop appropriate methods so as to complete the entire process of evaluation of Ph.D. thesis within a period of six months from the date of submission of the thesis.

**35. Academic, administrative and infrastructure requirement to be fulfilled by the Research Establishments / Colleges for getting recognition as Research Centre:**

Research establishments/ laboratories of Government of India/ State Government with at least two Ph.D. qualified Scientists / other academic staff along with required infrastructure, supporting administrative and research promotion facilities as per this Ordinance, shall be considered eligible to recognize as research centre through MoU with the concerned UTDs.

Affiliated Post-graduate colleges may be considered eligible to offer Ph.D. programmes only if they satisfy the availability of eligible Research Supervisors, required infrastructure and supporting administrative and research promotion facilities as per this Ordinance. Colleges should have the necessary recognition of the University under which they operate to offer Ph.D. programme.

Post-graduate Departments of the Colleges with at least two Ph.D. qualified teachers in the Department concerned along with required infrastructure, supporting administrative and research promotion facilities as per this Ordinance, shall be considered eligible to offer Ph.D. programmes.

Colleges with adequate facilities for research as mentioned below alone shall offer Ph.D. programme:

In case of science and technology disciplines, exclusive research laboratories with sophisticated equipment as specified by the university with provision for adequate space per research scholar along with computer facilities and essential software, and uninterrupted power and water supply.

In case of all other disciplines including S&T, 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.

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.

**36. Treatment of Ph.D. through Distance Mode/Part-time:**

University does not conduct Ph.D. Programmes through distance education mode. However, part-time Ph.D may be allowed provided all the conditions mentioned in the extant Ph.D Ordinance are met.

*[Handwritten signatures and initials]*





University  
Logo

-----Name of the University-----

Website: -----

Self Attested  
Photograph

APPLICATION FORM FOR ADMISSION  
IN Ph.D./ M.Phil. PROGRAMMES

Academic Session: \_\_\_\_\_

Name of the Programme for Admission: \_\_\_\_\_  
[(i) Ph.D. (ii) M.Phil. (iii) Both M.Phil. and Ph.D.]

Name of the Subject for Ph.D. / M.Phil.: \_\_\_\_\_

Subject for Entrance Test: \_\_\_\_\_ Faculty: \_\_\_\_\_

Proposed Research Centre: \_\_\_\_\_

Proposed Centre for Entrance Test: \_\_\_\_\_

1. Applicant's Name (in Hindi): \_\_\_\_\_

(in English): \_\_\_\_\_

2. Date of Birth: \_\_\_\_\_ 3. Gender: \_\_\_\_\_

4. Domicile of M.P.: Yes / No \_\_\_\_\_ 5. Blood Group: \_\_\_\_\_  
(If yes, attach photocopy of domicile proof)

6. Category: Unreserved/ SC/ST/ OBC(non-creamy layer)/Differently-Abled:

(Please attach photocopy of proof of category of SC/ST/ OBC(non-creamy layer)/Differently-Abled)

7. Nationality: \_\_\_\_\_ 8. Enrolment Number (if available): \_\_\_\_\_

9. Name of Father / Husband: \_\_\_\_\_

10. Name of Mother: \_\_\_\_\_

11. Annual Income of Parents: Rs. \_\_\_\_\_

12. Are you UGC/ CSIR NET with JRF Qualified? Yes/ No: \_\_\_\_\_

13. Do you have Teacher Fellowship for Research? Yes/ No: \_\_\_\_\_

14. Do you have Government/ Foreign Research Fellowship? Yes/ No: \_\_\_\_\_

*Dr. Anwar* *M. K. L.* *A. Kumar* *gjt* 73

15. Do you have M.Phil. degree (as per UGC Regulations 2009 or amended thereafter) with course work? (Yes/ No): \_\_\_\_\_  
 (in case of "Yes" in any of the above mentioned questions no. 12-15, please provide photocopy of the proof of the same)

16. Applicant's Address

(a) Permanent: \_\_\_\_\_  
 \_\_\_\_\_

Mobile/ Phone no. of Father/ Husband: \_\_\_\_\_

(b) For Correspondence: \_\_\_\_\_  
 \_\_\_\_\_

Mobile No. of the Candidate: \_\_\_\_\_ Email ID of the Candidate: \_\_\_\_\_

Aadhar No. of the Candidate: \_\_\_\_\_

17. Educational Qualifications (Enclose self attested photocopies):

Class	Board/University	Year	Grade/ % of Marks	Division	Subjects
10 <sup>th</sup>					
12 <sup>th</sup>					
Graduation					
Post Graduation					
M.Phil.					
Any Other					

18. Fee Details:

Amount (Rs.): \_\_\_\_\_ Demand Draft No.: \_\_\_\_\_ Date: \_\_\_\_\_

Name of the Issuing Bank & Branch: \_\_\_\_\_

19. Teaching / Research Experience (if any): \_\_\_\_\_

20. Any other information: \_\_\_\_\_

Date:

(Signature of Applicant)

*[Handwritten signatures and marks]*

विश्वविद्यालय का नाम

पीएच. डी. पाठ्यक्रम में पंजीयन प्रवेश हेतु आवेदन पत्र

विशय.....

स्वयं  
सत्यापित  
छाया चित्र

भाग एक शोधार्थी का विवरण

1. आवेदक का पूरा नाम हिन्दी में .....  
(अंग्रेजी के बड़े अक्षरों में) .....
2. आवेदक का स्थाई पता .....
3. पत्र व्यवहार हेतु पता .....
4. मोबाइल न./दूरभाष क्रमांक/ई-मेल आई. डी .....
5. पिता का नाम / पति का नाम .....  
(विवाहित महिला होने की अवस्था में)
6. माता का नाम .....
7. नागरिकता .....
8. लिंग .....
9. रक्त समूह.....
10. विश्वविद्यालय का नामांकन क्रमांक .....
11. (क) यदि किसी स्थान/उपक्रम में कार्यरत  
हो तो उसका विवरण .....
- (ख) यदि (क) की जानकारी हों में हैं तो नियोजता  
का अनापति प्रमाण-पत्र संलग्न करें। .....
12. (क) क्या आवेदक म.प्र. की अनुसूचित जाति/  
अनुसूचित जनजाति /अन्य पिछड़ा वर्ग  
चिकनी परत को छोड़कर/निःशक्तजन प्रवर्ग से हैं  
हाँ/नहीं .....
- (ख) यदि हों तो किस प्रवर्ग का हैं। .....
- (प्रमाणपत्र की स्वयं सत्यापित प्रति संलग्न करें)

*[Handwritten signatures]*

*[Handwritten signatures]*

102

75

13. आवेदक की शैक्षणिक योग्यता:

क्रमांक	परीक्षा का नाम	शिक्षा बोर्ड/ विश्वविद्यालय का नाम	वर्ष	ग्रेड/ प्राप्तांक प्रतिशत	श्रेणी	विषय
1.	सेकंडरी / हाई स्कूल 10					
2.	हायर सेकंडरी 10+ 2					
3.	स्नातक					
4.	स्नातकोत्तर					
5.	एम. फिल					
6.	अन्य					

14. शोध कार्य के लिये प्रस्तावित शीर्षक

(Topic of Proposed Research Work)

अगर शोधार्थी ने उक्त शीर्षक पर कुछ शोध कार्य किया हो तो  
उसका विवरण सहित प्रकाशित शोध पत्रों की प्रतियाँ संलग्न करें

.....

.....

.....

.....

15. क्या आवेदक अन्य किसी उपाधि के लिये संस्थागत/

असंस्थागत रूप में इस विश्वविद्यालय अथवा अन्य  
विश्वविद्यालय द्वारा आयोजित किसी अन्य परीक्षा में  
सम्मिलित हो रहा है। यदि हाँ, तो उसका पूर्व विवरण

हाँ/नहीं

.....

.....

.....

*[Handwritten signatures and marks]*



### भाग तीन- शोध सहनिर्देशक का प्रमाणिकरण

मैं आवेदक को उनके शोध कार्य में मार्गदर्शन प्रदान करने के लिए सहमत हूँ। मेरे निर्देशन/सहनिर्देशन में निम्नलिखित शोधार्थी पंजीकृत है:

शोधार्थी का नाम	निर्देशन/ सहनिर्देशन	विश्वविद्यालय का नाम
1. ....	.....	.....
2. ....	.....	.....
3. ....	.....	.....
4. ....	.....	.....
5. ....	.....	.....
6. ....	.....	.....
7. ....	.....	.....

मैं प्रमाणित करता हूँ कि मेरे द्वारा विगत पाँच वर्षों में निम्नानुसार शोध पत्र प्रकाशित किये गये हैं:

क्र.	प्रकाशित शोध पत्र का शीर्षक	जर्नल का नाम	वॉल्यूम एवं पृष्ठ संख्या

शोध निर्देशक के हस्ताक्षर.....

शोध निर्देशक का नाम.....

पद नाम.....

पता.....

ई मेल.....

मोबाईल / दूरभाष क्रमांक.....

*Dr. Anil Kumar*

*[Signature]*

## भाग चार- शोध केन्द्र का प्रमाण-पत्र

मैं यह प्रमाणित करता हूँ कि, उपरोक्त शोधार्थी के शोधकार्य से संबंधित पूर्ण सुविधा इस संस्था में उपलब्ध है। और उन्हें शोध कार्य करने हेतु सुविधाएँ उपलब्ध कराई जावेगी। यह संस्था शोध कार्य के लिए विश्वविद्यालय से मान्य है। अनुशंसा सहित आवेदन पत्र अप्रेषित किया जाता है।

प्रमाणित किया जाता है कि उपरोक्त शोधार्थी ने संस्था में निम्नलिखित शुल्क जमा करा दिया है:

1. शोध केन्द्र शुल्क विभागीय कम्प्यूटर प्रयोगशाला एवं पुस्तकालय शुल्क सहित
2. शोध प्रयोगशाला शुल्क यदि उपयोग किया जा रहा हो तो
3. शोध केन्द्र सुरक्षा निधि शुल्क
4. पहचान पत्र शुल्क
5. सूचना प्रौद्योगिकी इन्फ्रास्ट्रक्चर शुल्क

जिसकी प्राप्ति रसीद क्रमांक ..... दिनांक..... है एवं रसीद की प्रति आवेदन के साथ संलग्न है

दिनांक.....

(शोध केन्द्र प्रमुख के हस्ताक्षर)  
नाम एवं मुद्रा सहित

## भाग पाँच- विश्वविद्यालय केन्द्रीय पुस्तकालय का प्रमाण पत्र

प्रमाणित किया जाता है कि शोधार्थी श्री / श्री मति / कुमारी..... ने  
निम्नानुसार शुल्क रसीद क्रमांक ..... दिनांक ..... द्वारा जमा कर दिया है।

1. पुस्तकालय शुल्क
2. पुस्तकालय सुरक्षानिधि शुल्क

दिनांक .....

(पुस्तकालयाध्यक्ष)  
विश्वविद्यालय केन्द्रीय पुस्तकालय

## भाग छ: - शोधार्थी द्वारा संलग्न प्रमाण

1. निर्धारित प्रपत्र में पूर्ण आवेदन - पत्र
2. शोध केन्द्र में जमा शुल्क की रसीद की फोटोप्रति।
3. विश्वविद्यालय केन्द्रीय पुस्तकालय शुल्क की जमा रसीद की प्रति।
4. यदि शोधार्थी किसी संस्था / उपक्रम में कार्यरत हैं तो अनापत्ति प्रमाण-पत्र
5. मार्कशीट / ग्रेडशीट की स्वयं सत्यापित प्रतियाँ।
6. यदि शोधार्थी अनुसूचित जाति / अनुसूचित जनजाति / अन्य पिछड़ा वर्ग चिकनी परत को छोड़कर निःशक्तजन प्रवर्ग से हैं, तो सक्षम अधिकारी के प्रमाण पत्र की स्वयं सत्यापित प्रति।
7. गेप सर्टीफिकेट।
8. पात्रता प्रमाण-पत्र म.प्र. से बाहर के छात्रों के लिये।
9. प्रवजन प्रमाण-पत्र अन्य विश्वविद्यालयों के लिये।
10. शोध प्रस्ताव की सात प्रतियाँ, स्वयं हस्ताक्षरित, निर्देशक, सह- निर्देशक, शोध केन्द्र के प्राचार्य / विभागाध्यक्ष से हस्ताक्षर सहित।

*Dr. [Signature]* *[Signature]* *Agarwal* *[Signature]* *[Signature]* 107



## भाग सात- शोधार्थी का घोषण-पत्र

मैं एतद् द्वारा घोषणा करता हूँ/ करती हूँ कि मैंने अध्यादेश 15 का अध्ययन कर लिया है एवं मेरी जानकारी के अनुसार इस आवेदन पत्र की प्रविष्टियों एवं दी गई जानकारी सच्ची एवं पूर्ण हैं। यदि पीएच. डी. डिग्री प्राप्त होने के पूर्व अथवा पश्चात् कोई जानकारी झूठी या असत्य पाई जाए तो विश्वविद्यालय द्वारा मेरे विरुद्ध कार्यवाही की जा सकेगी, जो मुझे मान्य होगी यह भी अभियोजन देता/ देती हूँ कि, मैं उक्त प्रस्तावित शोध कार्य के अतिरिक्त इस विश्वविद्यालय या अन्य किसी भी विश्वविद्यालय में स्वाध्यायी अथवा नियमित छात्र के रूप में न ही शोधरत हूँ और न ही किसी अन्य परीक्षा सर्टिफिकेट पाठ्यक्रमों की परीक्षाओं को छोड़कर मैं सम्मिलित हो रहा/ रही हूँ। यदि ऐसा पाया जाता है तो मेरा पंजीयन निरस्त कर दिया जाए।

आवेदक के हस्ताक्षर.....  
आवेदक का नाम.....  
पिता/ पति का नाम.....  
पूरा पता.....  
ई मेल.....  
मोबाईल / दूरभाष क्रमांक.....

## पीएच.डी. आवेदन पत्रों की चैकलिस्ट

शोधार्थी श्री/ श्रीमति /कुमारी .....का संलग्नानुसार आवेदन प्राप्त हुआ है। आवेदन पत्र में प्रस्तावित:

1. शोध निर्देशक मान्यता प्राप्त है। (हाँ/नहीं)
2. शोध सह-निर्देशक मान्यता प्राप्त है। (हाँ/नहीं)
3. शोध निर्देशक के निर्देशन एवं सह-निर्देशन में पूर्व से क्रमशः-एवं- शोधार्थी कार्य कर रहे हैं।
4. शोध सह-निर्देशक के निर्देशन एवं सह-निर्देशन में पूर्व से क्रमशः- एवं - शोधार्थी कार्य कर रहे हैं।
5. शोध केन्द्र मान्यता प्राप्त है। (हाँ/नहीं)

### कै० काउन्टर

कृपया उपरोक्त शोधार्थी का निम्नानुसार शुल्क जमा करें:

1. शोध पंजीयन शुल्क की जमा रसीद।
2. अर्न्तवास शुल्क न. प्र. से शहर के विश्वविद्यालयों के छात्रों के लिये।
3. शोध के केन्द्र द्वारा अग्रेषित नामांकन प्राप्त एवं शुल्क की रसीद।
4. नाम परिवर्तन-के लिये यदि लागू हो शपथ -पत्र प्रस्तुत करें।  
(शोध केन्द्र द्वारा अग्रेषित निर्धारित प्रपत्र में आवेदन-पत्र एवं निर्धारित शुल्क की रसीद के साथ)

(परीक्षक के हस्ताक्षर)

## आवेदन पत्र प्राप्ति की अभिस्वीकृति

श्री / श्रीमति / कुमारी .....का शोध आवेदन पत्र दिनांक ..... को प्राप्त हुआ।

(परीक्षक के हस्ताक्षर)

*[Handwritten signature]*

*[Handwritten signature]*

108

## INSTRUCTIONS

1. The candidate is advised to apply for admission only if he/she fulfils the eligibility requirements.
2. Application form may be downloaded from the University website.
3. Duly filled application form should be submitted to the Head, Centre for Entrance Test along with self attested copies of all relevant documents and prescribed application fee through a mode of payment as decided by the University.
4. The candidate should keep photocopy of the application form with him/ her. He/ she has to produce photocopy of the application form at the time of Entrance Test.
5. The candidate should bring his/ her valid photo ID.

*Dr. Anwar*  
*Head*

*[Signature]*

100

## Parents /Guardian Declaration

I, Father/ Mother / Guardian of \_\_\_\_\_ who is seeking admission in Ph.D./ M.Phil. at College/ School/ Institute \_\_\_\_\_, declare that my ward will act as per rules of the University, Program, Department etc. and not involved in any antisocial activities /ragging. We know that ragging is totally banned in the University. It is a cognizable offence. If my ward is found indulged in any type of ragging /in disciplinary activity, he/she will be punished by the Institute/ School as per the rules of the University. I take complete responsibility of his/her overall conduct at the research centre and University.

Date:

(Signature of Applicant)

(Signature of Parents/Guardian)

*[Handwritten signatures]*  
The first signature is partially obscured. The second signature is "Ajay Kumar". The third signature is "Ajay Kumar". The fourth signature is "Ajay Kumar". The fifth signature is "Ajay Kumar".

102

-----Name of the University-----

NAAC ACCREDITED "..." GRADE

Website: \_\_\_\_\_

University  
Logo**Ph.D. COURSE WORK - GRADE SHEET & CERTIFICATE**

Name & Address of the Institute/ School of Studies/ College where Ph.D. Course Work is Conducted	:	
--	---	--

Name of the Student	:	
Father's/ Husband's Name	:	
Mother's Name	:	
Enrolment No.	:	
Roll No.	:	
Academic Session	:	
Semester	:	
Examination Month & Year	:	

Course Code	Course Title	Credits	Grade	Grade Point	Credit Points (Credits x Grade Point)
	Research Methodology	4			
	Review of Published Research	3			
	Computer Applications	3			
	Title of the Advanced Course	3			
	Comprehensive Viva-Voce	3			
<b>TOTAL</b>		<b>16</b>			
<b>ATTEPT</b>				<b>SGPA</b>	
<b>RESULT</b>	<b>EQUIVALENT PERCENTAGE</b>			<b>DIVISION</b>	

\* Grade in Repeat Examination.

Equivalent Percentage=SGPAx10

This is certified that Mr./Ms./Mrs. \_\_\_\_\_ has successfully completed the Ph.D. Course Work as per UGC Regulations, 2016 and the Ph.D. Ordinance of the University.

Date of Result:

Co-ordinator	Head/ Director	Controller of Examinations
--------------	----------------	----------------------------

Appendix-IV

*[Handwritten signatures]*

*[Handwritten signatures]*

**PROFORMA FOR SYNOPSIS OF PROPOSED RESEARCH (Para 12)**

The cover page should contain information of proposed research topic, name of the research scholar, name and affiliation of the supervisor and / or co-supervisor, and research centre.

The synopsis should contain following information:

1. Title of the Proposed Research
2. Introduction giving purpose of research (in about 200 words)
3. Literature Review
4. Objectives/hypothesis
5. Methodology
6. Expected outcome
7. Bibliography (in standard format)
8. List of publications of the candidate

**Signature of the Candidate**

**Signature of the Supervisor**  
**Name of the Supervisor:**  
**Date:**

**Signature of the Co-Supervisor**  
**Name of the Co-Supervisor:**  
**Date:**

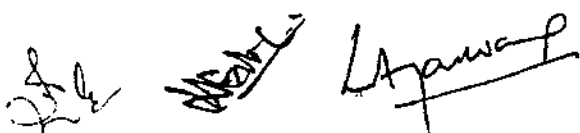
**Forwarded by**

**Head/ Principal, Research Centre**

**(with seal)**

**Date:**

**Appendix-V**





**CONFIDENTIAL (Para 20a)**  
**PROFORMA FOR PROGRESS REPORT**

Six monthly progress report of the research work done during the period from \_\_\_\_\_ to \_\_\_\_\_.

1. Name of the Research Scholar: \_\_\_\_\_
2. Subject: \_\_\_\_\_
3. Topic registered for Ph.D. degree: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. Name of the Supervisor: \_\_\_\_\_
5. Name of the Co-Supervisor: \_\_\_\_\_

Description of the guidance on the topic:

Period with dates during which the research scholar has been with the Supervisor for research work (it may also indicate the date(s) of leave availed by the research scholar during the above period):

Remarks of the Supervisor on the work done by the research scholar:

Fees paid vide Receipt No. \_\_\_\_\_ date \_\_\_\_\_.

Signature of the supervisor

Appendix-VI

*Dr. [Signature]* *[Signature]* *L. Anwar* *[Signature]* *[Signature]* *44*  
*85*

DECLARATION BY THE RESEARCH SCHOLAR (Para 24 b)

I declare that

1. the research work presented in the thesis entitled \_\_\_\_\_  
\_\_\_\_\_ is my own work except as acknowledged in the text and footnotes.
2. there is no plagiarism in the research work reported in the thesis.
3. I completed the research work under the supervision of Dr. \_\_\_\_\_ (Supervisor) and Dr. \_\_\_\_\_ (Co-Supervisor) at the \_\_\_\_\_ (name of the centre) \_\_\_\_\_ approved by the University.
4. I have put in more than 200 days of attendance after completing Ph.D. course work with the Supervisor or at the centre.
5. to the best of my knowledge this thesis has not been submitted either in whole or in part, for award of any other degree/ diploma at this University or at any other such Institution.

Besides this-

- (i) I have successfully completed the Ph.D. Course work as per UGC-Regulations, 2016 norms.
- (ii) I have also given a pre-Ph.D. presentation and successfully incorporated the changes suggested on the basis of feedback and comments received.
- (iii) I have published \_\_\_(number)\_\_\_ research paper(s) in referred journal(s) and presented \_\_\_(number)\_\_\_ research papers in conferences / seminars from the research work of the thesis. I have also produced evidence of the same in the form of reprints and/or presentation certificates.

Date: \_\_\_\_\_

Signature of the Research Scholar

Forwarded by

Signature of the Supervisor

Signature of the Co-Supervisor

*[Handwritten signatures]*

**CERTIFICATE OF THE SUPERVISOR (Para 24 c)**

**CERTIFICATE**

This is to certify that the work entitled \_\_\_\_\_ is a piece of research work done by Shri/Smt./Ku. \_\_\_\_\_ under my/our supervision for the award of degree of Doctor of Philosophy of -----Name of the University-----, India. That the candidate has put in an attendance, of more than 200 days after completing Ph.D. course work, with me.

To the best of my knowledge and belief the thesis:

1. embodies the research work done by the candidate himself/herself.
2. has duly been completed.
3. fulfills the requirements of the Ordinance relating to the Ph.D. degree of the University, and
4. is upto the standard both in respect of contents and language for being referred to the examiner.

Signature of the Supervisor

Signature of the Co-Supervisor

Forwarded

Signature of Head /Principal of the Research Centre

*[Handwritten signatures]*

43

87