

TEERTHANKER MAHAVEER UNIVERSITY
Moradabad

Ordinance for Degree of Doctor of Philosophy (Ph.D.)-2021

[As per University Grants Commission (Minimum Standards and Procedure for
Award of M.Phil./ Ph.D. Degrees) Regulations, 2016]

PREAMBLE

TeerthankerMahaveer University, Moradabad offers broad-based research programme leading to the award of Ph.D. degree. The research work may be characterized either by discovery of new facts or enunciation of a new theory or theories or by fresh interpretation of known facts or development of equipment making a distinct advancement in instrument technology. Promotion to productivity and creativity is the basic tenet underlying the research programme. It should bear evidence of the capacity of the research scholar for critical examination, analysis and sound judgment as well as his ability to carry out independent investigation, design or development. The award of Ph.D. degree is in recognition of high academic achievements and application of knowledge to the solution of real life problems in every sphere. The University encourages research in interdisciplinary areas and provides excellent opportunities for research work in the modern era of 21st century.

APPLICABILITY: This Ordinance shall apply to the programme leading to the degree of Doctor of Philosophy (Ph.D.)

1. DEFINITIONS

- 1.1 "Board of Examinations"** shall mean Board of Examiners constituted for the purpose of evaluating the thesis.
- 1.2 "College/Institute"** shall mean an academic institution maintained or admitted by the University to its privileges and includes a College/Institute/Centre/ Department.
- 1.3 "Candidate/Applicant"** shall mean a person who has applied for the Ph.D. programme but is not yet registered for the same.
- 1.4 Department** shall mean a Department of Studies and may also include a Centre for Studies & Research.
- 1.5 "DRC"** shall mean Departmental Research Committee
- 1.6 "Supervisor"** shall mean a member of the academic staff of the University approved by the CRC to guide/supervise the research work of the research scholar.
- 1.7 "Co- Supervisor"** shall mean a member of the academic staff of the University or another university/ college/ research institution, other than the Supervisor, as approved by the CRC to guide/supervise the research work of the research scholar.
- 1.8 "Caretaker Supervisor"** shall mean a member of the academic staff of the University appointed to act as the supervisor of the research scholar in the absence of the original Supervisor before and/or after submission of the thesis.
- 1.9 "CRC"** shall mean a College Research Committee
- 1.10 "BOS"** shall mean the Board of Studies of the College/ Department concerned.

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- 1.11 **"URCC"** shall mean a University Research and Consultancy Committee which will be the nodal office controlling the Ph.D. programme in the University.
- 1.12 **"RAC"** shall mean the Research Advisory Committee.
- 1.13 **"Research Scholar"** shall mean a person registered for the Ph.D. programme and devoting adequate time for completing the requirements of this degree.
- 1.14 **Research Proposal** shall mean the detailed synopsis of the research work prepared for the selected topic submitted only after the completion of the course work.
- 1.15 **Research Work Plan** shall mean the proposed schedule in months for each components of the research proposal.
- 1.16 **"Sponsored Research Scholar"** shall mean a research scholar sponsored by an employing organization.
- 1.17 **"Minimum Submission Period"** shall mean the minimum period for which a research scholar must be registered, prior to the date of submission of the thesis. The date of registration will be the date on which the first installment of fee is deposited.
- 1.18 **"Registration Period"** shall mean the length of period commencing with the date of registration and ending on the date of award of the Ph.D. degree, counting out any gaps as per Clause 11 of the Ordinance.
- 1.19 **"COE"** shall mean Controller of Examinations of the University.
- 1.20 **"ODC"** shall mean the Oral Defense Committee of the University.
- 1.21 **Ph.D. Cell** shall mean the Ph.D. Cell of the University governing the operational aspects of the Ph.D. programme.
- 1.22 **Ph.D. Regulations** shall mean the rules and regulations framed under this Ordinance for smooth operation and coordination of the Ph.D. programme.
- 1.23 **"RDC"** shall mean Research Degree Award Committee
- 1.24 **Research Fellow shall mean a Research scholar awarded the research fellowship by the University.**
- 1.25 **"Degree"** shall mean the degree of Doctor of Philosophy (Ph.D.) of the University.
- 1.26 **"University"** shall mean TeerthankerMahaveer University, Moradabad.
- 1.27 **"SOP"** shall mean the Standard Operating Procedure prepared by the URCC from time to time governing the Ph.D. programme of the University (**Annexure – O**).

Note: In this Ordinance where ever 'he' and 'his' occurs, these shall also mean to imply 'he/she' and 'his/her' respectively.

2. COMPOSITION & FUNCTIONS OF RAC, CRC, URCC, ODC, RDC,

2.1 The **Research Advisory Committee** is the committee constituted (**Annexure – C**) for the purpose of continually guiding, scrutinizing and reviewing the progress of the research work of each research scholar. There shall be an independent committee for each research scholar.

- i. Composition of Research Advisory Committee (RAC) shall be as:
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|--|---|----------|
| a. Research Supervisor | - | Convener |
| b. Co-Supervisor | - | Member |
| c. Two faculty members, of the college/dept. preferably from the related area/discipline, with Ph.D. as min. qualification | - | Member |

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ii. **Functions:**

- a. Recommend to the CRC additional courses required to be taken by the Research Scholar based upon his background and nature of proposed research work.
- b. To monitor, evaluate and assess the progress of the Research work of the scholar, at least once in six months.
- c. Conduct meeting of RAC essentially before the planned meeting of CRC and submit the progress report of the research scholar to the Chairperson of CRC.

2.2 College Research Committee (CRC): Each College/Department offering the Ph.D. programme shall constitute the CRC and it should be approved by the Vice Chancellor.

i. The composition of **College Research Committee (CRC)** shall be as below:

- a. Principal/Director/Head of the College/department - Chairperson
- b. Two professors of the concerned college by rotation for the period of two years - Members
- c. Two associate professor and one assistant professor having Ph.D. Degree by rotation for the period of two years - Members
- d. Two experts not below the rank of Professor/Associate Professor from other university/research institutions nominated by Vice Chancellor - External Experts
- e. one nominee of the URCC appointed by the Vice Chancellor - Member
- f. Joint Registrar (R & D) - Member

ii. Functions of CRC:

- a. To promote, facilitate and coordinate the research activities of the college/department(s)/centre (s).
- b. To select candidates for admission in the Ph.D. programme and allocate supervisors.
- c. To monitor and conduct Ph.D. course work running in the department.
- d. To monitor and evaluate the quality of Ph.D. work in the department.
- e. To take appropriate action on the recommendations RAC and guidelines and directions of URCC.
- f. To approve the panel of members (as proposed by the supervisor) for formation of RAC for each scholar.
- g. To approve the recommendations of RAC about the nature and number of courses as pre-requisite to continue the Ph.D. programme in case of interdisciplinary research or otherwise.
- h. To consider any matter related to the research programme of the college/department.
- i. To Analyze the Thesis evaluation report of both the external examiners and supervisor and assure that the modifications/changes if any, are incorporated in the thesis.

- j. To schedule the meetings of ODC and send the invite for same in consultation with CoE, Joint Registrar (R&D), invited External Examiner and Supervisor.
 - k. To conduct at least two meetings in a year to monitor and evaluate the progress of research work of the research scholars and send the proceedings to Joint Registrar (R&D).
 - l. To propose the names of eligible faculty members to be appointed as Research Supervisors/co-supervisors for the approval of the Chairperson URCC.
- iii. The quorum of CRC in case of finalization of research proposal, pre-thesis submission presentation and oral defense of thesis (ODC) shall be deemed to complete only when an external expert/examiner, nominated member of URCC and Joint Registrar (R&D) are present.

2.3 University Research Consultancy Committee (URCC) which will be the nodal office controlling the Ph.D. programme in the University:

i. **The composition of University Research Consultancy Committee (URCC)** shall be as:

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|--|---|------------------|
| a. Vice Chancellor | - | Chairperson |
| b. Dean (Academics)/Associate Dean (Academics) | - | Convener |
| c. Three principals by rotation for the period of three years | - | Members |
| d. Three professors by rotation for the period of three years | - | Members |
| e. Special invitee(s) with the permission of the Vice Chancellor | - | Members |
| f. Joint Registrar (R & D) | - | Member |
| g. Registrar | - | Member secretary |

ii. Functions:

- a. To frame and revise the policies and rules for Ph.D. programme.
- b. To ensure that all norms and regulations pertaining to the Ph.D. programme are strictly followed.
- c. To make periodic review of ordinances, regulations and instructions pertaining to the Ph.D. programme and to recommend to the Academic Council any modifications thereof.
- d. To scrutinize the bio-data of prospective external research co-supervisors and issue the registration letters.
- e. To promote quality research publications, patents, projects, consultancy etc.
- f. To conduct at least one meeting in a year.
- g. To organize training programme for the faculty members to enhance their research competency in the area of methodology, data analysis, statistical tools.

2.4 Oral Defense Committee (ODC) is the committee constituted for evaluating the oral defense, by presentation of the thesis, by the research scholar before the Committee members.

i. Composition of the ODC shall be:

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- a. Chairperson of CRC - Convener
- b. Supervisor /co-supervisor - Member
- c. One invited External Examiner - Member
- d. One member nominated by URCC - Member
- e. Joint Registrar (R & D) - Member
- f. Other members of the Faculty/Research Scholars/ students from various departments of the University will be invited members -

ii. Functions of the ODC:

- a. To analyze and assess the external examiners' report on thesis to arrive at an appropriate decision on the thesis.
- b. To assure that suggestions provided by the External Examiners have been incorporated in totality in the thesis on the basis of the Thesis Evaluation report of external examiners provided by the CoE.
- c. To provide suggestions/changes, if any based on the oral defense presentation by the Research Scholar.
- d. To provide the final report on the research work of the scholar for further processing of the award of the degree.

2.5 The Research Degree Award Committee (RDC) is the committee which is entrusted with final award of the degree based on the report of ODC and external examiners.

i. Composition of the RDC shall be:

- a. Vice Chancellor - Chairperson
- b. Chairperson of the concerned CRC - Member
- c. Registrar - Member
- d. two Professor of the University other than the Supervisor(s) of the research scholar to be nominated by the Vice Chancellor for the period of two years - Members
- e. Controller of Examinations - Member secretary

ii. Functions of the RDC:

- a. To scrutinize the ODC report and Thesis Evaluation Report of the two External Examiners.
- b. To provide suggestions/changes, if any based upon these reports as prescribed in the clause 16.1 (d).
- c. To provide approval for the award of the degree as prescribed in the clause 16.1 (e).

Note: The meetings of all the above committees shall be held only during the working hours and working days of the University. Any deviation from this, shall require the approval of the Vice Chancellor. Under exceptional circumstances, meetings of these committees may be conducted online, using the pre-approved platforms, with the prior approval of the Vice Chancellor.

3. The University shall provide facilities and guidance for studies and research leading to award of the degree of Doctor of Philosophy. The programme shall be conducted at and

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through the Colleges of the University, subject to the guidelines laid down by the Academic Council and control exercised by the University Research and Consultancy Committee (URCC) and concerned College Research Committee (CRC).

4. A Research Scholar shall be required to pursue the research work and the prescribed course work at the colleges/department/centre/institution of the University under the guidance of approved supervisor(s). The CRC may permit a research scholar to carry out research work outside the University at a Research Centre approved by the University **(Annexure – A)**. Further, the CRC may also permit the research scholar to work at his place of employment provided adequate facilities for research on the proposed topic of research are available there to the entire satisfaction of the CRC.

5. ADMISSION ELIGIBILITY

A candidate possessing the following qualifications shall be eligible to apply for admission to the Ph.D. programme of the University.

Eligibility Criteria

- 5.1 Candidates for admission to Ph.D. programme shall have a Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with atleast 55 % marks in aggregate or its equivalent grade 'B' in the UGC 7- point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions, or Colleges.
- 5.2 A relaxation of 5% marks, (50% marks), or an equivalent relaxation of grade, shall be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Jain Minority Community/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 September, 1991.

Note: *The eligibility marks of 55% (or an equivalent grade in a point scale wherever grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible based only on the qualifying marks without including the grace mark procedures.*

5.3 Eligibility Criteria for Admission to Ph.D. in Nursing (as per the official gazette notification no. 11-1/2019-INC dated 06.11.2020 on INC Regulations for Ph.D.programme 2020)

- (a) M.Phil. (Nursing) or M.Sc. (Nursing) recognized by Council with 3 years teaching or Clinical experience, after M.Sc. (Nursing), for enrolment for Ph.D. in Nursing under Faculty of Nursing in the respective University.
- (b) The scholars should have passed M.Sc. (Nursing) with a minimum of 60% marks.

6 APPLYING FOR ADMISSION

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The candidate shall apply for admission against the Admission Notification given in leading newspapers and displayed on the University website in the prescribed form available on the website of the University (www.tmu.ac.in), or the office of the University Ph.D. Cell (**Annexure – B**).

Applicants who are in employment of any organization either in India or abroad will be eligible for registration as Research Scholar provided:

- 6.1 they fulfill qualifications laid down in Clause 5 above;
- 6.2 the applicant who is in employment, must produce a No Objection Certificate (NOC) from his/her employer;
- 6.3 the applicant proves to the satisfaction of the CRC that his employment duties will permit him to devote sufficient time for research work and prescribed course work;

7 ADMISSION TEST AND RESEARCH PLAN

The University shall admit the candidates by two stage process through:

- TRAT
- 7.1 TeerthankerMahaveer University Research Aptitude Test (TRAT) which shall comprise of written test (weightage of 70%) and interview (weightage of 30%). The written test shall carry maximum 70 marks and interview/viva-voce shall carry 30 marks.
 - 7.2 The syllabus of TRAT shall consist of 50% questions on Research Methodology and 50% questions shall be subject specific. The Entrance Test (TRAT) will be conducted at the Centre(s) notified in advance (change of Centre, if any, shall be notified well in advance) twice a year (2nd Saturday of January and July). In case of holiday, the next working day will be the date of the admission test. In Special circumstances, the written test may be conducted in online mode using a pre-approved platform, with the prior approval of the Vice Chancellor.

Note: Presently TRAT is held only at the University campus, Moradabad

The TRAT intends to test the basic capability of the candidate to undertake research work. A minimum score of 50 percent shall be required to clear the test under each category separately i.e. Research Methodology, subject knowledge and interview (as per 2nd Amendment UGC Regulations on Ph.D., Amendment 2018).

- 7.3 The written test shall be conducted by the Examination Cell of the University which shall notify the result of the candidates those who qualify the written test. The candidates those who qualify the test shall be required to appear for the interview on the date as notified. The dates for interview shall be notified by the Ph.D. Cell of the University.
- 7.4 An interview/viva-voce shall be organized by the respective CRC, on the dates thus notified, for the candidates those who qualify the written test. The interview/viva-voce shall consider the following aspects:
 - (i) Research Interest/Area through the presentation
 - (ii) Whether the candidate possess the competency for the proposed research
 - (iii) The proposed area of research can contribute to new/additional knowledge
 The marks scored by the candidates in the interview/viva-voce shall be submitted by CRC to the Examination Cell of the University.

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7.5 The Final result composite of marks of written test and interview/viva-voce of the qualified candidates shall be declared by the Exam Cell of the University.

Note: Candidates who have qualified UGC-NET (including JRF)/UGC-CSIR NET (including JRF)/SLET/GATE/Teacher fellowship holder or have passed M.Phil. programme are exempted from the University TRAT.

7.6

- (i) The Ph.D. cell shall inform the candidates through admission offer letter those who qualify the TRAT to submit the requisite Registration Fee (**Annexure –F, F1,F2**). date of registration will be the date on which the candidate deposits the requisite Registration Fee.
- (ii) The CRC Chairperson will appoint the identified supervisor to the research scholar in the first CRC meeting after the registration in the Ph.D. programme, under whose supervision the research scholar will formulate the research work plan to be presented before RAC and CRC. The CRC shall constitute an RAC for each research scholar for his mentoring.

7.7 Upon the registration of the candidate, the research scholar needs to send brief work plan in the form of Gantt chart (**Annexure – D**) after approval from RAC and present the same before CRC during its first meeting with-in six months of the registration.

7.8 On basis of the schedule of the Work Plan and the presentation, the CRC shall either approve, or, may ask the candidate to make a fresh presentation of the Research Plan. The CRC shall give its approval on the prescribed format (**Annexure – E**).

7.9 A candidate will ordinarily be allowed two attempts for presentation of research proposal/Plan (**Annexure – E**) before the CRC. In case the Research Proposal/plan of a candidate is not approved, a third attempt may be allowed only with the approval of the Vice-Chancellor on the specific recommendation of the CRC, justifying the reasons for an extra attempt. Under no circumstances the duration of approval of research plan would exceed twenty four months from the date of registration. After failing three attempts, the registration of the research scholar shall be deemed to be cancelled.

8 RENEWAL OF REGISTRATION AS A RESEARCH SCHOLAR

8.1 A candidate shall be required to renew his/her Registration every year in the manner prescribed by paying the requisite fees.

8.2 In case of Nursing, submission of ethical clearance certificate from where the data is being collected, within one year after registration is mandatory.

9 COURSE WORK

9.1 i. All research scholars admitted to the Ph.D. programme shall be required to complete the prescribed course work and additional courses, if any, during the initial two semesters from the date of the registration. The credits assigned to the Ph.D. course work shall be a minimum of 14 credits. The research scholar shall be evaluated at the end of the course work. The research scholar has to pass the coursework with minimum 55% marks.

ii. The maximum duration for qualifying the course work may be extended by six months in special circumstances with the approval of Vice Chancellor. In case, one fails to qualify the course work with-in maximum 18 months, (including the maximum time period extension sanctioned by the Vice Chancellor), then the registration of the research scholar shall stand cancelled.

9.2 The course work shall be treated as a prerequisite to continue in the Ph.D. programme. Registered students will be required to take a minimum of four courses and additional course, if any, as per prescribed by the College Research Committee.

9.3 The following courses are mandatory for a student to complete during two semesters starting from the date of registration:

- (a) Research Methodology (4 Credits),
- (b) Quantitative Methods and Computer Applications (4 Credits),
- (c) Review of literature in the area of research to be evaluated by the external examiner and CRC through a seminar/ presentation (4 Credits).
- (d) Research and Publications Ethics(RPE) – 2 Credits and
- (e) Additional courses, esp. related to teaching pedagogy, curriculum design, evaluation, writing and mandatory teaching hours. The same will be specified in the Regulations of this Ordinance from time to time on the basis of UGC guidelines emerging out of NEP-2020.
- (f) Also, additional course, as recommended by RAC and approved by CRC for individual scholars will be a prerequisite for conducting the research in the interdisciplinary research.

9.4 Minimum qualification of the faculty member(s) teaching the course work shall be Ph.D. in relevant subject areas having more than ten years of teaching.

9.5 Additional courses for individual research scholars as prescribed by CRC have to be completed through independent learning or MOOCs prescribed in the Regulations of this Ordinance. These courses cannot be substituted by aggregating short term workshops/symposia etc. attended in piecemeal. The certificate obtained from an approved MOOC platform shall be considered for having qualified the course and in case of Non- MOOC courses, (independent study course) CRC shall provide all support for conduct of the examination of such courses.

9.6 The scheme of Course work examination time being, in case of Nursing shall be as follows. Any subsequent changes in accordance with the guidelines of INC shall be reflected in the Regulations of this Ordinance.

Sl.No.	Course	Duration	Marks
1	Research Methodology & Applied Statistics	3 hours	100
2	Nursing Science & Theory Development	3 hours	100
3	Seminar/Term paper in the area of research (Internal assessment)	--	100
4	Viva Voce (Proposal defense)*	--	100
5	Recommended additional courses, if any	--	--

* \geq 60% of marks will be considered as pass.

Note: 70% attendance is compulsory for contact hours, failing which, he/she will not be allowed to appear for the Course work, however they have to make up for the same in the next course work.

The syllabi for both the courses shall be as prescribed by the Indian Nursing Council. The Viva-Voce (proposal defense) examination shall be conducted in presence of the panel consisting of:

- i. Two examiners (Subject Experts) appointed by the University
- ii. Supervisor/Co-Supervisor

The candidate shall be declared as successful in the examination if he/she scores not less than 60% of marks in each courses.

Note: In Special circumstances, the course work classes may be conducted in blended mode i.e.Offline/Online mode using a pre-approved platform, with the prior approval of the Vice Chancellor.

10 ELIGIBILITY CRITERIA TO BE A RESEARCH SUPERVISOR/CO-SUPERVISOR

10.1 (A) Eligibility to be appointed as a Supervisor/Co-Supervisor, for faculty, of all disciplines, other than Medical, Dental and Nursing shall be:

Any regular Professor of the University with a Ph.D. degree in the respective discipline and at least five research publications in indexed journals and any regular Associate/ Assistant Professor of the University with a Ph.D. degree and at least two research publications in indexed journals (as stipulated by the University Ph.D. Regulations from time to time) would be eligible to be considered as research supervisor/ co-supervisor.

10.1 (B) Eligibility to be appointed as a Supervisor/Co-Supervisor in Medical College for faculty members having M.Sc. Medical degree in Anatomy, Microbiology, Biochemistry, Physiology and Pharmacology shall be:

- (i) A regular Professor of the TeerthankerMahaveer Medical College & Research Centre who holds a Ph.D. degree in the respective discipline and at least five research publications in indexed journals shall be eligible to be appointed as a Supervisor / Co-

Supervisor. **Any regular Associate/ Assistant Professor of the University with a Ph.D. degree in the respective discipline and at least two research publications in indexed journals would be eligible to be considered as research supervisor/ co-supervisor.**

- (ii) **A regular Professor of the TeerthankerMahaveer Medical College & Research Centre having a recognized MD/MS or equivalent degree in the relevant subject with 10 years teaching experience** after obtaining the postgraduate degree, out of which at least 5 years should be at the postgraduate level in a recognized medical college, and at least five research publications in indexed journals, shall be eligible to be appointed as a Supervisor / Co-Supervisor.
- (iii) A regular Associate Professor/ Assistant Professor of the TeerthankerMahaveer Medical College & Research Centre having a recognized MD/MS or equivalent degree in the relevant subject with 6 years teaching experience after obtaining the postgraduate degree, out of which at least 3 years should be at the postgraduate level in a recognized medical college, and at least three research publications in indexed journals, shall be eligible to be appointed as a Supervisor/Co-Supervisor.

10.1 (C) Eligibility to be appointed as a Supervisor/Co-Supervisor in Dental College for faculty members having M.D./M.S./MDS degree shall be:

- (i) A regular Professor of TeerthankerMahaveer Medical College and Research Centre/ Dental College and Research Centre, as the case may be, having a recognized M.D./M.S./MDS or equivalent degree in the relevant subject with at least 10 years teaching experience after obtaining the postgraduate degree, out of which at least 05 years should be at the postgraduate level in a Medical College recognized by Medical Council of India or a Dental College recognized by Dental Council of India shall be eligible to be appointed as a Supervisor / Co-Supervisor. S/he should have published at least 5 research papers in indexed journals.
- (ii) A regular Associate Professor/ Assistant Professor of TeerthankerMahaveer Medical College and Research Centre/ Dental College and Research Centre, as the case may be, having a recognized M.D./M.S./MDS or equivalent degree in the relevant subject with at least 06 years teaching experience after obtaining the postgraduate degree, out of which at least 03 years should be at the postgraduate level in a Medical College recognized by Medical Council of India or a Dental College recognized by Dental Council of India shall be eligible to be appointed as a Supervisor / Co-Supervisor. S/he should have published at least three research papers in indexed journals.

Note:

- (i) *Since Ph.D. is not a mandatory degree in the teaching in Medical and Dental Colleges, to promote excellence in Medical and Dental teaching, the University would also encourage a serving faculty of this University, interested in carrying out research work leading to Ph.D. degree, and permit him/her to carry out the research work.*

- (ii) Indexed journal would be journals as specified by UGC, NAAC, NIRF and any other relevant body from time to time through notification. Currently indexed journals in Scopus, Web of Science and Indian Citation Index and PubMed are acceptable.
- (iii) Provided further, that in areas/ disciplines where there is no or only a limited number of indexed journals, the URCC may relax the above condition for recognition of a faculty member as Research Supervisor with reasons recorded in writing by CRC and approval of the Vice Chancellor. The Academic Council would be notified about the same from time to time.

10.1 (D) Eligibility to be appointed as a Supervisor/Co-Supervisor in Nursing College for faculty members shall be:

- (i) Ph.D. degree in nursing with 5 years Post Graduate teaching experience with minimum 5 research publications in indexed journals.
 - (ii) Maximum age to be a Ph.D. supervisor shall be 65 years.
 - (iii) Ph.D. supervisor cannot have more than 6 candidates (including being Co-Guide) at any given point of time.
 - (iv) There can be Co-supervisor(s) from Nursing or other discipline, as necessary.
 - (v) A Co-supervisor(s) can also be appointed from non-teaching field of nursing provided he/she has obtained Ph.D. degree in Nursing.
- 10.2 Only a full time regular teacher of the University can act as a supervisor. External supervisor(s) are not allowed. However, a Co-supervisor can be allowed from other institutions with available Research facility with the recommendation of CRC and approval of the Vice Chancellor.
- 10.3 The allocation of eligible Research Supervisor for a research scholar shall be decided by the CRC of the concerned College, depending upon the number of scholars per Research Supervisor, the available specialization among the Supervisors and research interests of the scholar as indicated by him/her at the time of presentation before the CRC.
- 10.4 In case of topics which are of inter-disciplinary nature, where the CRC of the concerned College feels that the expertise in the College has to be supplemented from outside, the concerned College shall appoint a Research Supervisor from the College itself, who shall be known as Research Supervisor, and a Co-Supervisor from outside the College or University on such terms and conditions as may be specified and agreed upon by the consenting Co-supervisor and his/her Institution/ College.
- 10.5 There should not be any blood relationship between the supervisor/ co-supervisor and the research scholar. The supervisor/ co-supervisor shall have to give a declaration to this effect.
- 10.6 The approval of the supervisor/ co-supervisor shall be obtained from the Vice Chancellor by the CRC.
- 10.7 (a) An approved Research Supervisor/ Co-Supervisor who is a Professor, at any given point of time, can guide not more than Eight (8) research scholars. An Associate Professor as Research Supervisor can guide up to a maximum of six (6) research scholars and an Assistant Professor as Research Supervisor can guide up to a maximum of four (4) research scholars.
- (b) In case of Nursing:

(i) A supervisor cannot be allotted more than two research scholars in a given academic year, however a supervisor cannot guide more than 6 research scholars at any given point of time.

(ii) A co-supervisor may be appointed for a research scholar from Nursing or any other discipline, if necessary.

(iii) The Ph.D. degree holders who are within health care disciplines can be appointed as co-guides.

10.8 Change of Research Supervisor:

1. Once the research scholar is allotted a research supervisor, the change of research supervisor shall not normally be permitted during the entire duration of Ph.D. programme.
2. In an exceptional case, change of Research supervisor may be allowed with the No objection Certificate (NOC) from the Existing Research Supervisor and consent of the proposed Research supervisor after the due approval of the URCC on the recommendations of CRC. Both, the No objection Certificate (NOC) and the consent letter shall be endorsed by the respective Chairperson-CRC.
3. The circumstances in which for change of Research Supervisor may be allowed are:
 - (a) if the Research Supervisor is unable or not available to guide, the research scholar, for a period of more than one year, for any reason whatsoever. If the period of absence of the Research Supervisor is less than one year, then the CRC may recommend for the care-taker supervisor to the URCC for its approval and the care taker supervisor ceases to supervise the research scholar on re-joining of the original of the Research Supervisor. However, the Research Scholar must provide the acknowledgement and appreciation of his contribution in the thesis. In case, where there is a co-supervisor, the appointment of care taker supervisor may not be warranted.
 - (b) if the differences arise between the Research Supervisor and the research scholar due to any reason, in such case, the No Objection Certificate (NOC) of the research supervisor for the change, may not be required if the URCC/CRC arrives at such a decision.
 - (c) A 'no objection certificate' will not be required in case of death/retirement/resignation/termination of the supervisor.
4. In case the research scholar has completed his/her work to the extent of data analysis, the request for change for supervisor will not be permitted except stated conditions in clause 10.9(5).
5. Cancellation of Research Supervisor by the University: Recognition granted by the University to the Research Supervisor shall automatically stand cancelled, for the following reasons:
 - (a) In case of his / her superannuation, resignation, termination or dismissal;
 - (b) if, at any stage it is found that the information or documents submitted by the Research Supervisor, for his/her recognition as a supervisor are transpired to be forged, false or fabricated;
 - (c) if any Research Supervisor creates obstacle in the smooth functioning of the University/college/department or any unforeseen situation which may be considered to be detrimental to the interest of the University;

(d) in case of a complaint filed by the research scholar against the supervisor/ co-supervisor regarding sexual harassment, and the complaint is so proved, he/she will be immediately ceases to be a research supervisor.

10.9 In case of inability of the supervisor to continue to guide the research scholar, the co-supervisor shall become the supervisor, provided the co-supervisor is from the University. Depending upon the stage of research work, the decision about appointing new supervisor or care-take supervisor, according to the clause 10.8 (3)(a).CRC shall seek the approval from the Vice Chancellor to this effect.

10.10 Transfer from Other Universities:

- (a) In case of relocation of a female research scholar due to marriage or otherwise, the research scholar 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 Research Supervisor/ Co-supervisor and to the University for the part of research already done.
- (b) Candidate who has been admitted in (or has registered for) Ph.D. degree Programme in any other recognized university and meets the requisite qualifications for admission to Ph.D. Programme of the University as prescribed in clause 5 may be allowed to transfer his/her admission to the University provided
- (i) s/he provides a no objection certificate from the previous university,
 - (ii) the recommendation and the verified research and coursework records from the concerned CRC thereof.
- (c) Further, the extent of credits to be given to the transfer of credits earned towards coursework, publications and progress of research etc. by the candidate at the previous university shall be decided by the respective CRC of the University.
- (d) In such cases of transfer, the date of registration in the University shall be decided by the URCC in view of the date of registration in the previous university and the extent of academic achievements. The candidate shall be required to fulfill the remaining requirements as decided by the respective CRC of the University.
- (e) In such cases, if needed, the candidate shall deposit the requisite application and fees to the University.
- (f) In such cases, if need be, the CRC may recommend to the Vice Chancellor for the extension of time period for submission of thesis over and above the maximum allowable six years.

Transfer from other
Universities

11. PERFORMANCE MONITORING

11.1 There shall be a Research Advisory Committee for each research scholar.

Aditya Sharma

11.2 The research progress of each research scholar will be regularly reviewed and monitored by the RAC in its meetings. This meeting shall take place at least two week prior to the scheduled CRC meeting. A research scholar shall appear before the CRC once in six months to make a presentation of the progress of his/ her work for evaluation and further guidance. The six monthly progress reports will be submitted by CRC to the URCC with a copy to the research scholar and RAC.

The Semester Progress Review Meeting of CRC shall be held as specified in the Academic Calendar in the second week of January and July each year. A student may absent from any Semester Progress Presentation with prior permission, subject to a maximum of two such presentations in the complete duration of the Ph.D. programme. The RAC must record the progress of the research in the Semester Progress Review form and submit it to CRC (**Annexure – G**). In case, the research scholar fails to present and submit the progress report consecutively three times, the CRC may initiate action for cancellation of his registration. This recommendation is to be forwarded to Ph.D. Cell of the University for approval of the Chairperson-URCC.

11.3 The final authority for cancellation of registration of the research scholar is vested with the Vice Chancellor.

11.4 The CRC after having considered the progress report of each research scholar shall recommend any of the following:

- (i) Continuation of registration, or
- (ii) (a) Continuation of registration and issuance of a warning for unsatisfactory progress to the research scholar and making recommendation of steps necessary to improve his/her performance in consultation with the supervisor(s)
(b) If the research scholar is issued a warning letter, the minimum registration period for allowing a candidate to submit the thesis shall be increased by one semester every time a warning has been issued.
or
- (iii) Termination of registration, in case of three consecutive unsatisfactory progress reports, recommendation forwarded to URCC.

Copy of the same would be sent to the scholar, supervisor and the URCC for records in the scholar's file.

12. DURATION OF THE PROGRAMMEME

Ph.D. programme shall be of a minimum duration of three years, including coursework and a maximum of six years.

12.1 The minimum period of registration after which a research scholar can submit the thesis shall be thirty-two months from the date of registration.

12.1 A research scholar shall normally be allowed to submit his thesis within a maximum period of six (6) years. However, in exceptional cases, this limit may be extended by the Vice-Chancellor by a maximum period of one year, on specific request from the research scholar duly recommended by the CRC.

Ph.D. Duration

Dr. Anil Sharma

12.3 The Women candidates and Persons with Disability (more than 40% disability) shall be allowed a relaxation of two years for Ph.D. programme in the maximum duration of six (6) years. In addition, the women candidates shall be provided Maternity Leave/ Child Care Leave once in the entire duration of Ph.D. programme for up to 240 days.

In case of Nursing, for candidates pursuing Ph.D. in part-time mode, the minimum duration for completion of Ph.D. shall be five years and maximum seven years.

13 EVALUATION AND ASSESSMENT, MINIMUM STANDARDS/CREDITS FOR THE AWARD OF THE DEGREE & PRE-THESIS SUBMISSION PRESENTATION

13.1 Upon satisfactory completion of course work, and obtaining the credits prescribed in Clause 9, as the case may be, the Ph.D. scholar shall be required to undertake research work and produce a draft thesis within stipulated time as per the Regulations of this ordinance.

13.2 A **pre-thesis submission presentation** by the research scholars before the CRC is an essential requirement and can only be done after completing thirty months from the date of registration in accordance with the Regulations of this Ordinance. On completion of the research work, the research scholar shall submit eight copies of the summary of his research work including bibliography, two copies of the draft thesis, copy of the research publications related to the thesis and one CD containing draft thesis to the CRC through his/ her supervisor(s) and make a presentation at which faculty members and other research scholars/students will be invited. CRC will invite all University Colleges/ Departments for the pre-thesis submission presentation. Before, making a presentation to the CRC, the concerned supervisor shall assess the quality of research work in the RAC meeting well before the scheduled CRC meeting for this purpose.

13.3 The research scholar shall be required to submit his/ her thesis within three months from the date of pre-thesis submission presentation by the research scholars, provided it was assessed satisfactory. However, in case a candidate fails to submit his/ her thesis within the stipulated time and has suitable justification for the same, the Chairperson-URCC may, on recommendations of the CRC, grant an extension of not more than three months, i.e., the research scholar may be allowed to submit his/ her thesis within a period not exceeding six months from the date of pre-thesis submission presentation.

13.4 CRC may allow an additional chance to the research scholar for pre-thesis submission presentation in case of unsatisfactory performance. However, a third chance may be granted by the Vice Chancellor on recommendations of Chairperson-CRC. Thereafter, the registration of the research scholar shall be deemed to be cancelled. In case, the research scholar still intends to continue the Ph.D. work, he/she shall have to re-register for the programme as the fresh candidate as laid down in Regulations under this Ordinance.

13.5 The research scholar will be required to submit his/her declaration and a certificate from his/ her supervisor(s) in the prescribed format countersigned by the CRC-Chairperson vouching that the plagiarism is within the permitted limit and that the work embodied in the thesis titled " _____ " is original and has been carried out by the research scholar and that it has not been submitted in

full or in part for any other diploma or degree of this or any other University. A certificate indicating the similarity index generated by the certified Anti- Plagiarism tool used by the University has to be included in the thesis duly countersigned by the Chairperson-CRC. Chairperson-CRC shall assure that the contents of thesis are removed from the repository, if any, to facilitate the verification of similarity index. The Controller of Examinations shall countercheck for plagiarism every thesis submitted for evaluation and issue the certificate accordingly **(Annexure – K)**.

- 13.6 URKUND software shall be used for checking plagiarism of thesis written in Hindi language. The plagiarism certificate for thesis written in Hindi shall be generated by the Controller of Examinations only.

14 APPOINTMENT OF EXAMINERS

Examiners

- 14.1 Thesis evaluation shall be carried out as follows:

(a) A panel of six (06) experts of Professor level in the area of research work which may include one expert from outside India would be suggested by the supervisor(s) and placed before the CRC along-with their brief profile consisting of qualifications, experience and a research work for last ten years, for its recommendations. The CRC may delete/add any of the name(s) proposed by the supervisor(s).

(b) A person from the same Institution where the research scholar is employed cannot be appointed as an external examiner. Further, a person from a laboratory/institution/approved research centre to which the Co- supervisor of the research scholar belongs, cannot be appointed as an external examiner. The Examiner of thesis cannot be close relative of the supervisor or the research scholar.

- 14.2 On receipt of the draft thesis, the Chairperson-CRC shall send the panel of examiners as approved by the CRC to the Controller of Examinations who shall get the Board of Examination approved from the Vice Chancellor. The Board shall consist of one internal examiner from amongst the supervisor(s), and two external examiners from India or abroad. However, out of the two external examiners selected, at least one shall be from outside the state of Uttar Pradesh. The examiners shall normally be chosen from the panel of examiners recommended by the CRC. In case one or more external examiners so appointed decline to examine the thesis, another external examiner shall be appointed out of the panel. In case the panel gets exhausted, the CRC shall recommend additional names.

Examiners outside
the state

15 THESIS SUBMISSION

- 15.1 The thesis shall be a piece of research work characterized either by discovery of new facts or enunciation of a new theory or theories or by fresh interpretation of known facts or development of equipment making a distinct advancement in instrument technology. It should bear evidence of the research scholar's capacity for analysis and sound judgment as well as his ability to carry out independent investigation, design or development. The thesis has to be supplemented by published work, mandatorily. No part of the thesis or supplementary published work shall have been submitted for the award of any other diploma or degree anywhere.

Deepti Sharma

15.2 The thesis shall be written in English, other than research work carried out in languages, in specified format in accordance with the instructions contained in **(Annexure – H)** of this Ordinance, until otherwise required by the specific discipline. In case the thesis to be submitted is written in language other than English, the same shall be approved by the Vice Chancellor on the recommendation of the CRC.

15.3 A research scholar may submit his/her thesis within the stipulated time period, provided s/he has:

(a) Completed the minimum period of registration as provided in Clause 12.1 of this Ordinance.

(b) Published minimum two research papers in indexed journals such as Scopus, Web of Science, PubMed, etc as specified in Regulations of this Ordinance from time to time. However, if the research paper(s) has been accepted for publication, the same shall be treated as under publication and the CRC can recommend the submission of the thesis. The candidate is also required to make two paper presentations and publication in conference proceedings, of which one should be conference other than in house, before the submission of thesis for evaluation, and produce evidence for the same in the form of presentation certificates and/ or reprints.

15.4 Five hard copies of the thesis in soft binding along with two copies of CD shall be submitted in the College/Department, where the Research Scholar has been registered. The same shall be forwarded to the COE for evaluation. In case a research scholar is being supervised by more than one supervisor, appropriate number of additional copies must be prepared to provide them one copy each.

16 EVALUATION

16.1 Evaluation of Thesis

(a) Thesis shall be sent for evaluation only after the plagiarism verification report is found to be within the acceptable norms of the University as laid down in Plagiarism Prevention Policy 2018.

(b) Each examiner will be requested to submit a detailed assessment report and his/her recommendations on a prescribed proforma **(Annexure – L)** to the COE within three months from the date of receiving the thesis.

(c) In case the assessment report is not received from an external examiner within four months, the Vice-Chancellor may appoint another external examiner from the panel of examiners for evaluating the thesis.

(d) Each examiner shall be required to state categorically in his/her individual opinion, whether the thesis should be:

(i) accepted for the award of Ph.D. degree, or

(ii) accepted with suggested minor corrections to be incorporated in thesis by the Research Scholar, or

(iii) referred back to the research scholar for major suggested changes to be incorporated for re-evaluation of the thesis,

(iv) rejected.

The examiner shall state the reasons for recommending/ resubmission/ rejection of the thesis. If resubmission is recommended, the examiner(s)

Minimum Duration

Publications /
Conference Paper
Presentation

Hard & Soft Copies
of Thesis

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shall specifically indicate the modifications that need to be incorporated in the thesis by the research scholar.

- (e) On receipt of reports from all the examiners the COE shall place them before the members of RDC who will peruse the reports and recommend one of the following:
- (i) If the examiners are unanimous in the examination report and recommend that
 - i.1 The thesis is accepted for award of degree. The RDC decides to conduct Oral Defense for the research scholar and authorizes the Chairperson-CRC to convene the ODC meeting for the purpose.
 - i.2 The thesis is accepted with minor corrections to be incorporated in thesis. In this case, RDC instructs the research scholar to incorporate the suggested changes of both the examiners under the guidance of his/her supervisor. The Chairperson-CRC shall assure and certify that these changes have been incorporated in thesis and forward the same to the CoE who shall put up the same for the approval of RDC. The RDC, if satisfied, may authorize the Chairperson-CRC to convene the ODC meeting.
 - i.3 The thesis is referred to research scholar for incorporating major changes and re-evaluation. The RDC instructs the research scholar to incorporate the suggested major changes of both the examiners under the guidance of supervisor. The Chairperson-CRC assures and certify that the suggested changes have been incorporated and forward the thesis to CoE who shall send it to both examiners for re-evaluation. If the re-evaluation report of both the examiners differs then the thesis shall be sent to the third examiner for evaluation and the report of third examiner shall be considered as final.
 - i.4 The thesis is rejected. The RDC rejects the thesis for further processing and cancels the registration of the research scholar for this thesis. In this case, the research scholar may re-register on the same topic or change the topic but have to resubmit the thesis with-in maximum allowable duration of time i.e. six years from the date of original registration.
 - (ii) The examiners differ in the differ in the examination report and recommend that:
 - ii.1 the thesis is accepted by one examiner and thesis is rejected by the second examiner. In such cases, the thesis be sent to the third examiner to be appointed out of the proposed panel. The report of third examiner shall be considered as final. The RDC shall take the final decision on the basis of third examiner report.
 - ii.2 Thesis is accepted by one examiner with minor changes and rejected by second examiner. In such cases, the RDC instructs the research scholar to incorporate suggested changes in thesis. The modified thesis shall be sent to the third examiner as given above clause 16 (e)(ii.1)
 - ii.3 Thesis is referred back to research scholar for incorporating major changes by one examiner and rejected by second examiner. In such

cases, the RDC instructs the research scholar to incorporate the suggested major changes and resubmit the thesis for re-evaluation by third examiner as laid down in clause 16(e)(ii.1)

- ii.4 Thesis is referred back to research scholar for incorporating major changes by the first examiner for re-evaluation and another examiner suggest for incorporating minor changes. In such cases, after making changes by research scholar, the thesis is sent for reevaluation to the concerned examiner. If this examiner's report suggests acceptance of thesis for the award of degree, then RDC shall authorize oral defense of thesis. If revised thesis is rejected, then the thesis is sent to the third examiner. The report of third examiner shall be considered final.

16.2 Oral Defense

- (a) A research scholar, whose thesis on the basis of evaluation, is recommended for acceptance in accordance with the provisions of Clause 16.1 (e) and its sub-clauses, shall be required to defend his work/thesis orally before a duly constituted committee, hereinafter referred to as Oral Defense Committee (ODC) at the University premises. Any deviation from this procedure should have prior permission of the Vice-Chancellor.
- (b) In cases where the thesis is referred to the third examiner under various sub-clauses of clause 16.1 (e) as above, the Oral Defense will be recommended by the RDC after having satisfied about the acceptance of thesis for award of the degree report of the third examiner.
- (c) The external examiner invited for oral defense examination shall submit his report in the prescribed Proforma to the COE.
- (d) On the completion of Oral defense, the COE shall put before the RDC, the report of the ODC. On the basis of the ODC report, the RDC may approve one of the following:
- i) that the degree of Ph.D. awarded, or
 - ii) that the research scholar be re-examined at a later specified time in a specified manner, or
 - iii) that the degree of Ph.D. not awarded.

In case of clause 16.2 (d)(ii) as above, the research scholar shall incorporate all suggestions and changes as discussed in the ODC and submit the same to the CRC for review and approval for submission of the thesis after incorporating the suggestions/changes. The research scholar shall, thereafter, submit two hard-bound copies and two CDs of the thesis incorporating all necessary corrections/modifications. The COE will ensure that the electronic copy of the Ph.D. thesis is submitted to INFLIBNET within seven days of receipt of the CDs from the research scholar. The RDC will meet not before fifteen days of submission of the electronic copy to INFLIBNET to assure that there are no objections to the contents of the thesis.

17 AWARD OF THE DEGREE

17.1 The Degree shall be awarded by the University provided that:

- (a) The RDC so approves,

Aditya Sharma

- (b) The research scholar produces a “No Dues Certificate” in the prescribed form **(Annexure – M)**,
- (c) The research scholar has submitted two hard bound copies of the thesis; one for the College Library and one for the Central Library and two soft copies in CD ROM in the structure prescribed by Shodhganga, INFLIBNET.
- (d) The date of RDC approval shall be the date of completion and award of the degree.

Prior to the actual award of the degree, the University shall issue a Provisional Certificate to the effect that the Degree has been awarded in accordance with the provisions of the UGC (Minimum Standards and Procedures for the award of M.Phil./Ph.D. degrees) Regulations, 2016.

- 17.2 Hard bound copies and CD ROM of the Ph.D. thesis, submitted after the oral defense examination, must contain the following copyright certificate in the beginning of the thesis, on a separate page on the left side:

**©TeerthankerMahaveer University
Moradabad – Uttar Pradesh (India)
All rights reserved**

Award of degree to research scholars registered for Ph.D. programme prior to May 5, 2016 shall be governed by the earlier regulations/ ordinance (UGC Regulations on Ph.D. 2009).

18 CANCELLATION OF REGISTRATION

The registration of a research scholar shall be cancelled after due approval of the Vice Chancellor in case of the following:

- 18.1 If being a full time research scholar, s/he absents herself/ himself for a continuous period of six weeks without prior intimation/sanction of leave.
- 18.2 If s/he withdraws from the Ph.D. programme and the withdrawal is duly recommended by the CRC.
- 18.3 If s/he fails to renew the registration as per the provisions contained in the clause 8 of the Ordinance.
- 18.4 If his/her academic progress is found unsatisfactory by CRC as per the provisions of the clause 11 as above.
- 18.5 If s/he is found to be involved in an act of misconduct and/or indiscipline and termination is recommended by the College Research Committee or any other competent authority of the University.

19 GENERAL

Aditya Sharma

- 19.1 Notwithstanding anything contained in this Ordinance, all categories of research scholars shall be governed by all the relevant rules and regulations framed by the University and enforced from time to time.
- 19.2 The University shall frame the Regulations related to this Ordinance, governing the Ph.D.programme, for operationalizing the provisions of this ordinance and smooth conduct of the Ph.D.programme incorporating changes arising either from regulatory bodies or the requirement felt by the URCC from time to time.

20 INTERPRETATION AND UNFORESEEN ISSUES

Notwithstanding anything stated in this Ordinance, for any unforeseen issues arising, and not covered by this Ordinance, or in the event of difference of interpretation, the Vice Chancellor may take a decision, after obtaining if necessary, the opinion/advice of a URCC or any other individual/committee he deems fit. The decision of the Vice Chancellor shall be final and binding on such issues.



(Aditya Sharma)
Registrar





TEERTHANKER MAHAVEER UNIVERSITY
Delhi Road, Moradabad (U.P.) - 244001

INDEX

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Dr. Anurag Chandra

List of Universities, Laboratories and Institutions Recognized under Clause 4 of the Ordinance for Doctor of Philosophy (Ph.D.)

1. All the Indian Universities which are members of the Inter-University Board of India.
2. All Indian Universities member of the Association of Indian Universities.
3. All Indian Institutes of Excellence viz. IIT/IIM/NIT/IIIT Institute of Technology, and Birla Institute of Technology & Science, Pilani.
4. All C.S.I.R. Laboratories in India.
5. All Laboratories Maintained and Run by the Department of Atomic Energy.
6. Indian Association for the Cultivation of Science, Kolkata
7. India Institute of Sciences, Bangalore.
8. Tata Institute of Fundamental Research, Mumbai
9. All Defence Science Organization laboratories in India
10. Indian Institute of Public Administration, New Delhi
11. Indian School of International Studies, New Delhi
12. School of African Studies, New Delhi
13. Vishvesharanand Vedic Research Institute, Hoshiarpur.
14. Institute of Ontology, Lucknow Road, New Delhi
15. Ahimsa ShodhPeeth, Lady Hardinge Road, New Delhi
16. All Research labs of the Geological Survey of India.
17. All Research Labs of the Oil & Natural Gas Commission.
18. All Research labs of the Indian Space Research Organization.
19. All Research Labs of the Electronics Commission and Department of Electronics, Govt. of India.
20. Hindustan Steel Ltd. Research Laboratories, Durgapur
21. Electronics Corporation of India Ltd. Hyderabad
22. All India Institute of Medical Sciences, New Delhi.
23. Pandit Bhagwat Dayal Sharma Post Graduate University of Health Sciences, Rohtak
24. Post-graduate Institute of Medical Education and Research, Chandigarh.
25. National Dairy Research Institute, Karnal.
26. India Agriculture Research Institute, Pusa, New Delhi
27. All Central & State Govt. Forensic Science laboratories.
28. The Technological Institute of Textiles and Sciences, Bhiwani
29. The National Council of Educational Research and Training, New Delhi.
30. The Central Institute of Indian Languages, Mysore.
31. The Indian Statistical Institute, Calcutta and other statistical Institutes in India.
32. The Institute of Economic Growth, Delhi University, Delhi
33. All Research Labs of the Indian Council of Medical Research, New Delhi
34. All Research Labs of the Zoological Survey of India.
35. National Institute of Family Planning, New Delhi.
36. All Research labs of National Institute of Marine Biology, Panaji, Goa
37. Delhi Zoological Park, New Delhi- 3
38. Forest Research Institute, Dehradun.
39. All Laboratories Maintained by the Department of Science & Technology, Govt. of India.
40. Bose Institute, Calcutta.

41. Raman Institute, Bangalore.
42. Bharat Heavy Electricals Ltd. Research and Development Laboratories, Haridwar
43. Ahmadabad Textile Industries Research Association, Ahmadabad.
44. Sri Ram Centre for Industrial Research, Delhi.
45. Bombay Textiles Institute Research Association, Bombay.
46. Southern Textiles industries Research Association, Bangalore.
47. Observations of Meteorological Department, Govt. of India.
48. Survey of India, Dehradun, Uttarakhand.
49. Central Institute of English and Foreign languages, Hyderabad.
50. Institute of Criminology and Forensic Science, Govt. of India, Ministry of Home Affairs, New Delhi.
51. The Central Soil Salinity Research Institute, Karnal.
52. The Wadia Institute of Himalayan Geology, Dehradun.
53. Physical Research Laboratory, Ahmadabad.
54. Sikkim State Archives, Gangtok (Centre of Post-Graduate Research in History & Allied Subjects)
55. National Institute of Educational Planning and Administration, Aurobinodo Marg, New Delhi.
56. Sarabhai Science Community Centre, Navarang Pura, Ahmadabad.
57. Model Institute of Education & Research, Jammu.
58. Indian law Institute, New Delhi.
59. All Laboratories Maintained and run by the Indian Council of Agricultural Research.
60. Nuclear Science Centre (NSC) at J.N. University Campus, New Delhi.
61. Inter-University Centre in Astrology & Astrophysics (I.U.C.A.A. at Poona University, Pune)
62. Indian National Scientific Documentation Centre, New Delhi.
63. Centre for Research in Rural & Industrial Development, Chandigarh.
64. Shri Kundkund Bharti Jain Research Institute, New Delhi.
65. Ranbaxy Laboratories Limited, Gurgaon- 122 601.
66. Lupin Research Park, Pune – 411 042 (MH).
67. National Archives of India, New Delhi & All State Archives.
68. Nehru Memorial Museum and Library, Teen Murti, New Delhi.
69. National Library, Calcutta.
70. Oriental Research Institute, Jodhpur.
71. Center for Advanced Study in History, Aligarh.
72. Jubilant Organosys Ltd. Noida (UP).

The above is an indicative list, other organizations can be considered subject to the approval of the Vice Chancellor on the recommendation of the CRC/ BOS.

Note: The Institution whether belonging to Central / State Government or has come to be promoted by a private registered society / trust should at least be in existence with an uninterrupted and continual functional status of 15 years or more and should have attained a position of national or international importance.



TEERTHANKER MAHAVEER UNIVERSITY
Delhi Road, Moradabad (U.P.) - 244001

APPLICATION FORM FOR TEERTHANKER MAHAVEER UNIVERSITY RESEARCH APTITUDE TEST (TRAT) FOR ADMISSION TO Ph.D. PROGRAM

Aadhar Card No.

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Please paste
your recent
coloured
passport size
photograph
here

Area of research applied for:

1. Name of the candidate
(in full & block letters)
2. Date of Birth 3. Gender (M/F).....
(attach copy of 10th Standard Certificate)
4. Father's Name
5. Mother's Name
6. Category (General/OBC/ST/SC/Others).....
7. Residence Status (Village/Town/City)..... 8. Blood Group.....
9. Parents Occupation Father..... Mother.....
10. Parents Education Father.....Mother.....
11. Annual Income (Rs.)
12. State of Domicile 13. Mother Tongue.....
14. Religion 15. Nationality
16. Correspondence Address:.....
City/Village.....Post..... Police Station.....
District.....State.....Pin Code.....

Aditya Sharma

17. Contacts Details:

STD Code.....Tel. No.....Cell No.....Email ID:.....

18. Details of the Academic Qualifications & Experience, if applicable, on the basis of which admission is being sought

(a) Academic Qualifications (Attach Documentary Evidence/s)

Sr. No.	Examination Passed	College/ University Attended	Year of Passing	Division	Percentage of Marks Secured/ CGPA	Major Subject/ Specialization	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1							
2							
3							
4							
5							
6							

(b) Details of the Experience (Attach Documentary Evidence/s)

(i) _____

(ii) _____

(iii) _____

(Attach extra sheet/s if required)

Declaration: I do hereby declare that all the information furnished above is true to the best of my knowledge and belief. If any information is found to be incorrect, the University will have the right to cancel my application/candidature.

I wish to be a full time scholar and join as Research Associate with the University as per the terms and condition on the website/ I do not wish to be a Research Associate and would peruse part time Ph.D. subsequent to the completion of Course work.

Place : _____

(Signature of the Candidate)

Date : _____

Aditya Sharma



TEERTHANKER MAHAVEER UNIVERSITY
Delhi Road, Moradabad (U.P.) - 244001

RESEARCH ADVISORY COMMITTEE (RAC)

Name of Research Scholar : _____
 Name of Supervisor : _____
 Name of Co-Supervisor (if any) : _____
 Date of Registration : _____
 Registration No./Enrolment No. : _____
 Name of College/Department : _____

A. Composition of RAC

Sl. No.	Composition	Designation	Names
(i)	Supervisor	Convener	
(ii)	Co-Supervisor (if any)	Member	
(iii)	Any Two Faculty Members with Ph.D. from the related area/discipline	Member	

RAC Composition approved by Chairperson-CRC

Chairperson

Coursework recommended for the Research Scholar

B. Mandatory Courses

SL. NO.	COURSE CODE	SUBJECT	CREDITS	MIN. QUALIFYING MARKS	MAX. MARKS
1	RRMD101	Research Methodology-I	4	55	100
2	RRMD102	Quantitative Methods and Computer Applications	4	55	100
3	RMGT171	Seminar on Review of Literature	4	--	--
4	CPE-RPE101**	Research and Publication Ethics	2	55	100

**Amended w.e.f. January 01, 2020, as per UGC D.O. No. F-1-1/2018(Journal/CARE)

C. Additional Courses (if any):

SL. NO.	COURSE CODE	SUBJECT	CREDITS	MIN. QUALIFYING MARKS	MAX. MARKS

The contents at tables A,B& C are recommended for approval.

Signature of Convener and members of RAC: 1. 2. 3. 4.

Approved by:
Signature of the Chairperson CRC_____

Aditya Sharma

(For Nursing Research Scholars)**Coursework recommended for the Research Scholar****A. Mandatory Courses:**

SL. NO.	COURSE CODE	SUBJECT	CREDITS	MIN. QUALIFYING MARKS	MAX. MARKS
1	NURRM101	Research Methodology & Applied Statistics	4	55	100
2	NURRM102	Nursing Science & Theory Development	4	55	100
3	NURRM152	Seminar/Term paper in the area of research (Internal assessment)	4	--	--
4	NURRM151	Viva Voce (Proposal defense)*	2	55	100

**Amended w.e.f. January 01, 2020, as per UGC D.O. No. F-1-1/2018(Journal/CARE)

B. Additional Courses (if any):

SL. NO.	COURSE CODE	SUBJECT	CREDITS	MIN. QUALIFYING MARKS	MAX. MARKS

The contents at tables A,B& C are recommended for approval.

Signature of Convener and members of RAC: 1. 2. 3. 4.

Approved by:

Signature of the Chairperson CRC _____

Devi Sharma



TEERTHANKER MAHAVEER UNIVERSITY
Delhi Road, Moradabad (U.P.) - 244001

WORK PLAN

Sl. No.	Stages of Research Work	
1	Completion of Coursework	.....
2	Literature Review	.....
3	Topic finalization	.....
4	Research Proposal finalization	.....
5	Instrument Design	.....
6	Data Collection	.....
7	Analysis of Data	.....
8	Results and Discussions	.....
9	Writing the Thesis	.....
10	Thesis Submission	.....

Note: The above plan is to be prepared and submitted for the approval of the Research Advisory Committee (RAC).

Aditya Sharma



TEERTHANKER MAHAVEER UNIVERSITY
Delhi Road, Moradabad (U.P.) - 244001

Format of Proposed Research Plan for approval (Ph.D. Synopsis) **(Six Copies to be submitted)**

Session:

Topic:

Name: **Registration No.:** **College/Department:**

1. Introduction
2. Literature Review
3. Problem Statement
4. Objectives of the Study
5. Hypotheses Formulation
6. Research Methodology
7. Expected Contributions of the Study
8. References

Note: The above format is suggestive in nature. The synopsis should normally be 15-20 pages covering all aspects of the proposed research work in detail.

Recommended/Not recommended by RAC: Sig. 1 **2**
..... **3** **4**

Approved/Not Approved by CRC: Signatures of CRC members

Signature of Chairperson-CRC:

Signature



TEERTHANKER MAHAVEER UNIVERSITY
Delhi Road, Moradabad (U.P.) - 244001

FEE STRUCTURE

(All programs except under Faculty of Medical & Dental Sciences)

The fee payable by the research scholar enrolled for the Ph.D. program shall be as under:

Sl. No.	Description	Schedule of Payment	Amount (Rs.)
1	Application-cum-Processing Fee	With application form	2,000.00
2	Registration Fee	At the time of registration	50,000.00
3	1 st Installment of Fee	15 days before the expiry of first year of registration	40,000.00
4	2 nd Installment of Fee	15 days before the expiry of second year of registration	40,000.00
5	3 rd Installment of Fee	15 days before the expiry of third year of registration	40,000.00
6	4 th Installment of Fee	At the time of thesis submission	30,000.00

***An extension fee of Rs. 15,000 per year will be charged after the completion of third year of registration.**

Late Fee of Rs. 2,000/- will be charged if the candidate exceeds the deadline by 15 days and Rs. 1,000/- per 15 days or part thereof for any further delay.

****The above extension fee will not be applicable to women who fall under the purview of Clause 11.3 of the Ph.D. Ordinance of the University.**

Dr. Anurag Sharma



TEERTHANKER MAHAVEER UNIVERSITY
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ANNEXURE – F1

FEE STRUCTURE

(Faculty of Medical Sciences)

The fee payable by the research scholar enrolled for the Ph.D. program shall be as under:

Sl. No.	Description	Schedule of Payment	Amount (Rs.)
1	Application-cum-Processing Fee	With application form	2,000.00
2	Registration Fee	At the time of registration	2,00,000.00
3	Ist Installment of Fee	15 days before the expiry of first year of registration	1,00,000.00
4	IIInd Installment of Fee	15 days before the expiry of second year of registration	1,00,000.00
5	IIIrd Installment of Fee	15 days before the expiry of third year of registration	1,00,000.00
6	IVth Installment of Fee	At the time of thesis submission	1,00,000.00

***An extension fee of Rs. 2,00,000 per year will be charged after the completion of third year of registration.**

Late Fee of Rs. 2,000/- will be charged if the candidate exceeds the deadline by 15 days and Rs. 1,000/- per 15 days or part thereof for any further delay.

****The above extension fee will not be applicable to women who fall under the purview of Clause 11.3 of the Ph.D. Ordinance of the University.**

Deputy Director



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Delhi Road, Moradabad (U.P.) - 244001

ANNEXURE – F2

FEE STRUCTURE

(Faculty of Dental Sciences)

The fee payable by the research scholar enrolled for the Ph.D. program shall be as under:

Sl. No.	Description	Schedule of payment	Amount (Rs.)
1	Application-cum-Processing Fee	With application form	2,000.00
2	Registration Fee	At the time of registration	1,00,000.00
3	Ist Installment of Fee	15 days before the expiry of first year of registration	70,000.00
4	IIInd Installment of Fee	15 days before the expiry of second year of registration	70,000.00
5	IIIrd Installment of Fee	15 days before the expiry of third year of registration	70,000.00
6	IVth Installment of Fee	At the time of thesis submission	90,000.00

***An extension fee of Rs. 50,000 per year will be charged after the completion of third year of registration.**

Late Fee of Rs. 2,000/- will be charged if the candidate exceeds the deadline by 15 days and Rs. 1,000/- per 15 days or part thereof for any further delay.

****The above extension fee will not be applicable to women who fall under the purview of Clause 11.3 of the Ph.D. Ordinance of the University.**

Deputy Director



TEERTHANKER MAHAVEER UNIVERSITY
Delhi Road, Moradabad (U.P.) - 244001

ANNEXURE – F3

FEE STRUCTURE

(Centre for Jain Studies)

The fee payable by the research scholar enrolled for the Ph.D. program shall be as under:

Sl. No.	Description	Schedule of Payment	Fee applicable to Ph.D. candidates in Jainology (Amount (Rs.))
1	Application-cum-Processing Fee	With application form	Nil
2	Registration Fee	At the time of registration	20,000.00
3	1 st Installment of Fee	15 days before the expiry of first year of registration	Nil
4	2 nd Installment of Fee	15 days before the expiry of second year of registration	Nil
5	3 rd Installment of Fee	15 days before the expiry of third year of registration	Nil
6	4 th Installment of Fee	At the time of thesis submission	5,000.00

An extension fee of Rs. 5,000 per year will be charged after the completion of third year of registration.

Dr. J. Sharma



TEERTHANKER MAHAVEER UNIVERSITY
Delhi Road, Moradabad (U.P.) - 244001

SEMESTER PROGRESS REPORT OF RESEARCH WORK

Assessment No : _____

Assessment Period : January – June / July – December 20____

Name of Research Scholar : _____

Name of Supervisor : _____

Name of Co-Supervisor (if any) : _____

Topic of Research : _____

Date of Registration : _____

Registration No./Enrolment No. : _____

Name of College/Department : _____

1. Work Progress Details during the current period

Sl. No.	Work progress	Details	Date
(i)	Workshops/Seminars		
(ii)	Conferences		
(iii)	MOOC		
(iv)	Publications		
(v)	Any other		

2. Next Action for the Pending Work (reference original Work Plan)

(i) _____

(ii) _____

3. Work Progress Assessment by RAC

Sl. No.	Name	RAC Members	Satisfactory/ Non-Satisfactory	Signature
(i)	Dr.	Supervisor		
(ii)	Dr.	Co-Supervisor		
(iii)	Dr.	Member		
(iv)	Dr.	Member		
(v)	Dr.	Member		

Dr. Anurag Chandra

4. CRC Remarks/Recommendations

Research Scholar's signature with date: _____

Signature of the Chairperson CRC _____

Aditya Sharma

(Refer Clause 14)
Instructions for preparation of Ph.D. thesis

1. The thesis must be typed using MS Word, in Times New Roman font size 12, with heading in font size 14 and bold. The text shall be in line spacing 1.5 with side margins Left 1.5" and right margin 1.0".
2. Thesis should be type-written on good quality A-4 size paper. It should be typed on both sides of the paper, with line spacing of 1.5.
3. Suitable reproduction of Indian-ink diagrams should be used. Photographs should be suitably mounted on the same quality paper as the thesis.
4. References should be given in APA (American Psychological Association) style.
5. Four copies of the thesis in soft binding along with one copy on CD for record must be submitted in the college concerned, from where they would be forwarded to the examination division for evaluation. In case of a research scholar being supervised by more than one supervisor, appropriate number of additional copies must be submitted.
6. The cover and inner cover page should have the following printed on it in block letters:

TITLE OF THE THESIS

BY

NAME OF THE RESEARCH SCHOLAR

UNDER THE SUPERVISION OF

Name of the Supervisor(s)

NAME OF THE COLLEGE

Submitted

**in partial fulfillment of the requirement of the degree of Doctor of Philosophy in the
Faculty of.....**



TEERTHANKER MAHAVEER UNIVERSITY
MORADABAD
Year

Aditya Sharma

7. After the Oral Defence examination, two copies of the thesis in maroon colour hard cover binding must be submitted. The cover should have the material indicated in the item 5 above printed on it. Besides, the following should be printed on the spine of the thesis:
 - i) the year of publication at the top;
 - ii) the author's last name in the middle; and
 - iii) Ph.D. at the bottom.

8. The contents of the thesis should have the following format:
 - i) Inner cover page;
 - ii) Certificate of the Supervisor(s);
 - iii) Declaration by the scholar;
 - iv) Plagiarism check certificate
 - v) Acknowledgements;
 - vi) Abstract;
 - vii) Table of Contents;
 - viii) List of Figures/Tables/Abbreviations
 - ix) Body of the thesis;
 - x) Bibliography;
 - xi) Appendices

DECLARATION

I do hereby declare that the thesis titled "-----
 -----" submitted
 to Teerthanker Mahaveer University in partial fulfillment of the requirement for the award of
 the degree of Doctor of Philosophy is a record of original work done by me during the period
 of my study under the supervision and guidance of -----
 -----.

This thesis has not formed the basis for the award of any Degree/ Diploma/ Associateship/
 Fellowship or similar other title to any candidate of any University.

The manuscript has undergone plagiarism check by Turnitin software

(Submission ID: -----) and the similarity index has been found to be
 _____, which is within the accepted norms of the University.

Signature: _____

Candidate's Name: _____

Registration No.: _____

Place: _____

Date: _____

Aditya Sharma

CERTIFICATE

Certified that the thesis titled "-----"
submitted to Teerthanker Mahaveer University, Moradabad in partial fulfillment of the
requirements for the award of the Degree of Doctor of Philosophy is a record of original work
done by -----of (Name of the College), during the
period of his/her study under my/our supervision and guidance.

This thesis has not formed the basis for the award of any Degree/ Diploma/ Associateship/
Fellowship or similar other title to any candidate of any University.

Research Supervisor(s)

**Chairperson, College Research Committee
Name of the College/ Department
Teerthanker Mahaveer University**

Aditya Sharma

PLAGIARISM VERIFICATION

Date:

This is to certify that the thesis titled as below has been subjected to plagiarism check. Following are the details of the report generated:

Title of the Thesis : _____

Research Scholar : _____

Registration No.: : _____

Software used for checking plagiarism : _____

Submission ID : _____

Total no. of pages : _____

Time submitted : _____ %

Similarity Index : _____

Total word count : _____

Character count : _____

The thesis may be considered for the evaluation and further proceedings to the award of degree of Doctor of Philosophy.

Checked by:

Verified by:

Controller of Examinations

Deepti Sharma



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(Established under Govt. of U. P. Act No. 30, 2008)
NH 24, DELHI ROAD, MORADABAD – 244001 (U.P.)

Ph.D. THESIS EVALUATION REPORT

(The thesis examination report proforma is divided into four parts. Part 1 consists of particulars of research scholar and thesis; Parts 2, 3, and 4 are to be completed by the examiner. Please use extra sheets wherever required)

1. PARTICULARS OF RESEARCH SCHOLAR

- (i) Name : _____
- (ii) Registration No. : _____
- (iii) College/Department/ Centre : _____
- (iv) Title of Thesis : _____
- _____
- _____
- _____
- _____
- _____

2. EVALUATIONREPORT

(While evaluating the research work the examiner is expected to bear in mind that Ph.D. is the highest academic degree and accordingly a comprehensive and critical examination of the research work is required and a detailed report justifying the acceptance/revision/rejection of the thesis is anticipated)

**Kindly use additional sheets, if required.*

A. General Comments:

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B. Strengths of Thesis:

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Dr. Anurag Chandra

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C. Weaknesses (if any) of Thesis:
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D. Specific Comments:

I. Has the research problem been clearly defined?

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II. Does the research problem has any theoretical or applied relevance?

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III. Are the research objectives clear?

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IV. Comprehensiveness of the literature covered:

a. Have major works, including recent ones in the field, been covered?

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b. Has it been able to identify the research gap(s) justifying the need for the present research?

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c. Has it been able to establish linkages with the research problem?

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V. Has the hypothesis been correctly formulated?

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VI. Is the research methodology well defined (viz. experiments/techniques, sampling design, data collection methods, data analytical tools applied, and result discussion, etc.)?

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VII. Are inferences drawn, on the basis of data analysis and hypothesis testing and the interpretation thereof, capable of providing solution to the research problem?

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VIII. Does the published research papers bear relevance to the research problem?

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.....

IX. Kindly rate the quality of thesis in terms of:

- | | | |
|---|----------|----------------|
| a. Content organisation | : | Excellent/Very |
| Good/Good/Satisfactory/Poor | | |
| b. Language clarity and coherence | : | Excellent/Very |
| Good/Good/Satisfactory/Poor | | |
| c. Research methodology | : | Excellent/Very |
| Good/Good/Satisfactory/Poor | | |
| d. Data analysis and presentation
(viz. use of tables/graphs/etc.) | : | Excellent/Very |
| Good/Good/Satisfactory/Poor | | |
| e. Bibliography format: As per APA standard? | : Yes/No | |

3. RECOMMENDATION

[Based on the overall assessment, please place the thesis in any one of the three categories (a), (b), or (c) given below striking out the statements that are not applicable. Also give a detailed report on the thesis indicating therein whether the thesis or a part of it can be published in its present form or the thesis may be revised/improved for publication on the indicated lines in the case of recommendation (a); nature and details of revision of thesis in case of recommendation (b); critical points/reasons forming basis for rejection of the thesis in case of recommendation(c) below]

I recommend that the thesis (please specify only one of the below striking-out the others):

a. accepted for the award of Ph.D. degree.

OR

b. accepted for the award of Ph.D. degree with suggested minor corrections to be incorporated in thesis by the Research Scholar.

OR

c. referred back to the research scholar for major suggested changes to be incorporated for re-evaluation of the thesis.

OR

d. rejected.

Signature of the Examiner

Signature

Date:

Place:

Name

Address.....

.....

.....

Aditya Sharma



TEERTHANKER MAHAVEER UNIVERSITY
Delhi Road, Moradabad (U.P.) - 244001

NO DUES CERTIFICATE FOR Ph.D. THESIS SUBMISSION
(To be filled by the research scholar)

- 1 Name of Research Scholar : _____
- 2 Registration No. : _____
- 3 Date of Registration : _____
- 4 Discipline : _____
- 5 College/Department/Centre : _____

.....X.....X.....X.....
(For Office Use)

Verified that Mr./Ms. has paid his/her Ph.D. fee as per the following details:

Fee Description	Amount (Rs.)	Receipt No.	Due Date	Payment Date	Remarks
Application Fee					
Registration Fee					
1 st Installment Fee					
2 nd Installment Fee					
Extension Fee for 3 rd Year					
Extension Fee for 4 th Year					
Extension Fee for 5 th Year					
Laboratory Charges 1 st Year					
Laboratory Charges 2 nd Year					
Laboratory Charges 3 rd Year					
Laboratory Charges 4 th Year					
Laboratory Charges 5 th Year					
3 rd Installment Fee/ Thesis Submission Fee					
Any other charges, if applicable					

Further, it is verified that Mr./Ms. has paid all his/her dues including fine and other charges up to date and nothing is outstanding against him/her as on date. He/ She may be allowed to submit his/her thesis as mentioned above.

Signature with seal
(FINANCE OFFICER)

Place: _____

Date: _____

Signature

STANDARD OPERATING PROCEDURE FOR Ph.D. (Registration, Coursework and Progress Monitoring)

