



## **MARWADI UNIVERSITY**

### **Regulation for Ph.D. Programme**

Marwadi University (MU) offers postgraduate programs leading to the award of the Degree of Doctor of Philosophy (Ph.D.). The award of the Ph.D. degree is in recognition of high academic achievements, independent research and application of knowledge to the solution of technical and scientific problems. The creative and productive inquiry is the basic requirement underlying the research work. The academic program leading to the Ph.D. degree is broad-based and may involve course credit requirements at the discretion of the University and a non-optional research thesis. The Degree of Doctor of Philosophy (Ph.D.) of the Marwadi University shall be conferred on a candidate who fulfils all the requirements specified in these Ordinances and Regulations.

#### **1. Eligibility criteria for admission to the M.Phil Programme:**

- 1.1 Candidates for admission to the M.Phil. programme shall have a Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7- point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.
  
- 1.2 A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC(non-creamy layer)/ Differently-abled and other categories of candidates as per the decisions of the Commission from time to time, or for those who had obtained their Master's degree prior to 19<sup>th</sup> September, 1991. The eligibility marks of 55% (or an equivalent grade in a point scale wherever grading system is followed) and the relaxation of 5% to the categories

mentioned above are permissible based only on the qualifying marks without including the grace mark procedures.

## **2. Criteria and procedure for admission to Ph. D. Programme**

The Marwadi University (MU) has categorized the Ph.D. candidates into two categories, *Full Time, Part and Time*. The following sections define the required qualification for all the two categories.

### **2.1 Minimum Qualifications**

The candidate aspiring admission for Ph.D. must have consistently good academic performance all through. The candidate must satisfy any one of the mentioned educational qualification specified as:

- M.E. / M.Tech. Or equivalent degree<sup>1</sup> for Ph.D. in Engineering with 60% Aggregate Marks or Equivalent CGPA either at M.E./M.Tech. Or B.E./B.Tech level.
- Master's Degree or equivalent degree<sup>1</sup> for Ph.D. in Computer Application /
  - Management / Sciences / Humanities / Social Sciences / Architecture with 60% Aggregate marks or equivalent CGPA.
- SC/ST candidates will be given relaxation in eligibility as per UGC guidelines.

### **2.2 Admission (Full Time / Part Time Ph.D. Programme)\* is based on following requirements**

- Satisfying the needs of minimum qualifications as laid down in 1.1.
- Performance in the Ph.D. Entrance Test to be conducted by Marwadi University.
- Fulfillment in the subsequent Interview.
- Exemptions from the Ph.D. Entrance Test and only performance in Interview will be given to those who have qualified in GATE /SLET /UGC NET/CSIR (JRF)/M.Phil. examinations.
- The students admitted to the Ph.D. The program will be required to register for the particular Program which will be renewed every semester on satisfactory progress. List of programs will be announced timely in the appropriate communication media. After registration, the candidate will be termed as a research scholar

### **2.3 Scholarship / Financial Assistance**

2.3.1 The scholarship may be awarded to meritorious students for doing Full-time Ph.D. as per University rules and regulations.

2.3.2 Part time and sponsored research scholars shall not be awarded any research fellowship/ assistantship by the University.

2.3.3 Other financial assistance will be governed as per University rules and regulations.

### **3 Eligibility criteria for admission to Ph.D. programme**

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

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

### **4 Duration of the Programme:**

As per UGC norms.

## 5 Supervisor

As per UGC (Minimum Standards and Procedure for Award of M. Phil/Ph.D. Degrees) Regulations, 2016) norms, the following persons are eligible to as Supervisor for the Marwadi University Ph.D. program:

### **5.1 Eligibility criteria for Ph.D. Supervisor/Co-Supervisor.**

Any regular Professor of Marwadi University with at least five research publications in refereed journals and any regular Associate/Assistant Professor of the university/institution deemed to be a university/college with a Ph.D. degree and at least two research publications in refereed journals may be recognized as Research Supervisor.

A person who desires to be a Ph.D. supervisor has to submit detailed curriculum vitae with necessary supporting documents to the Research Council (RC). A person should have following highlighted criteria –

5.1.1 Co- Supervisor can be from outside Marwadi University/ Marwadi Education Foundation.

5.1.2 All other requirements as per UGC guidelines

- A supervisor shall not have Number of candidates, at any given point of time, more than the Ph.D. scholars as per UGC norms. The upper limit of number of candidates includes all full-time and part - time research scholars, put together under a Supervisor or Co-supervisor.
- While calculating the number of candidates, in case of combined supervision (One Supervisor and one Co Supervisor), the load should be equally divided among the supervisors; e.g.in case of two supervisors allotted to a candidate, the load of each supervisor shall be 0.5.
- Provided further that no relative of the candidate as may be deemed a close relation by the Provost shall not be appointed as Supervisor/Co-Supervisor.

### **5.2 Allocation of Supervisor**

I. The RC shall decide on the allotment of a supervisor for each of the selected research scholars, depending on the number of research scholars available per supervisor, the available specializations with the supervisors, and the research interest of the research scholar as indicated during the interview.

### **5.3 Doctoral Advisory Committee (DAC)**

I. Doctoral Advisory Committee (DAC) is to be constituted by the RC for each research scholar comprising of

1. Representative (s) of RC (Chairperson)
2. Supervisor (s)
3. Representative member (s) of the department / expert conversant with the research.

## II. Functions of DAC

The following activities are to be carried out by DAC.

1. To Monitor the Research Work of each research scholar.
2. To forward the progress reports of research scholar to RC.
3. To recommend the draft thesis presentation for approval by RC.

## 6 Course Work

### ***6.1 Every research scholar shall have to do course work for a minimum of one semester.***

Minimum credits for the course work shall be 10 including a seminar of 3 credits.

### ***6.2 The course work shall include at least three courses including a seminar, namely***

- 6.2.1 A course on research methodology (may include quantitative methods and computer applications) or a course proposed by the RC (for those who have studied a similar course on Research Methodology at PG level).
- 6.2.2 A professional/technical course (if not offered by any Department, its syllabus to be proposed by the allocated supervisor and approved by RC)
- 6.2.3 A seminar (Relevant in the area of research).

The process of registration in the course work, examination, evaluation and grading shall be same as followed for UG /PG programmes and it will be governed by the examination section.

- Only those candidates who successfully complete the course work within one year of admission and with a minimum CGPA of 6.00 on 10.00-point scale shall be allowed to continue the Ph.D. programme.
- Courses may also be prescribed from those offered by School / Centers other than that in which the research scholar is registered. No change in courses prescribed shall be made without the approval of the DAC. It shall, however, be open to the DAC to prescribe additional courses wherever found necessary.
- If research scholar who secures less than 6.00 CGPA, will be given another chance for repeating one or more of the courses or for taking an alternative course (to be identified

by the DAC) to obtain the minimum percentage of marks. If the research scholar fails in the second attempt to secure 6.00 or more CGPA, his/her registration will be cancelled. However, giving this chance arises only if all the course work can be completed within the extended period of six months over the maximum time limit of one year.

- The DAC may give credit to courses already undergone by a research scholar in this institute or other institutions as part of his /her research programme subject to the condition that he/she has secured a minimum of 6.00 CGPA.
- Every research scholar will be required to submit a research proposal, duly recommended by the Supervisor (s), after successful completion of the course work. The research proposal will be submitted to the concerned Chairperson of DAC. All the proposal will be forwarded to RC for approval.
- If the candidate fails to submit the proposal even during the extended period, his/her admission will be cancelled
- In case the proposal is rejected by the RC, research scholar may resubmit it within next six months from the date of the meeting of RC, failing which his/her admission will be cancelled.

## 7 Evaluation & Assessment

7.1 A research scholar has to undertake courses, earn credits and get approved the research proposal as mentioned in article 3.

7.2 Research scholar must submit bi-annual Research Progress Report (RPR) in prescribed format. DAC will evaluate the progress of the research scholar and forward to the RC for approval.

7.3 Every RPR will be considered for partial fulfillment of the award of the Ph.D. degree.

7.4 On achieving a satisfactory level for the award of the Ph.D. degree, DAC will evaluate pre-synopsis.

7.5 Synopsis submission

Synopsis will be submitted to the RC for approval. After approval of at least 5 RPR from RC, research scholar has to submit synopsis to Examination Section as under.

- All research scholars shall write their thesis in English. Research scholars can submit synopsis covering relevant points of the research work carried out as mentioned in Annexure – B.

- Research scholar should submit **10 copies** of the synopsis after approval and within ONE month to the University.
- Synopsis submission fees applicable as per norms of the Marwadi University.

7.6 A panel of at least ten reputed reviewers (within India /foreign countries) with brief bio-data will be recommended by RC. Synopsis will be sent by the Vice Chancellor to the renowned researchers for seeking consent to evaluate thesis. The Vice Chancellor reserves the right to appoint two reviewers for evaluation.

7.7 Thesis Submission for initial evaluation

- **THREE** copies of Ph.D. thesis shall be submitted within ONE year from the date of submission of the synopsis.
- If this period exceeds one-year research scholar will have to apply for an extension to the RC. Research Council may allow the extension of maximum for one year.
- If the research scholar fails to submit a thesis within the extended period by RC, research scholar ceases to be a research scholar.
- Research scholar has to publish(Accepted) at least **TWO** research papers (excluded literature survey papers), from the list of Science Citation Index (SCI-indexed), SCOPUS-indexed, Thomson Router listed journals after the peer-review.
- It is desired that research scholar should file a patent as the first researcher before the submission of the thesis for evaluation.

## 8 THESIS EVALUATION

8.1 The reviewers may give their recommendations in the detailed format and opinion about the work viz.

- (i) Accept as it is or
- (ii) Accept with minor revision or
- (iii) Accept with major revision or
- (iv) Rejected.

8.1.1 In the case of major differences of opinions and recommendations of the two reviewers, Provost may take advice and recommendation of the third reviewer.

- 8.1.2 If **TWO** reviewers consider the thesis unsuitable for the award of the degree, the thesis is considered as rejected. Research scholar will have to apply for registration again after approval from RC.
  - 8.1.3 Accepted thesis with major corrections may be resubmitted after due revision. The thesis will be sent to the reviewers again for the review.
  - 8.1.4 Accepted thesis with minor corrections will be submitted after incorporating necessary corrections for approval by RC.
  - 8.1.5 The accepted thesis will be considered for submission after approval of RC.
- 8.2 The final defense of the Ph.D. research scholar shall be arranged after detailed report has been received by the **TWO** reviewers and reviewed by the RC.
- 8.3 For final defense, the Provost shall appoint any **ONE** of the two reviewers and RC.
- 8.4 However, in the case of unavailability of either the reviewers or delay from reviewers to submit a review within six months, the Provost may appoint another reviewer from the panel.

## 9 Final Defense and Thesis Submission

- 9.1 The panel for final defense formed by Provost will examine the research work.
- 9.2 Research scholar must present the thesis and appear the viva-voce.
- 9.3 Research scholar has to satisfy the comments given by the reviewers during the final defense.
- 9.4 All interested staff members of Marwadi University can attend the presentation of the Ph.D. thesis.
- 9.5 After successful completion of defense, Research scholar must have to submit **FOUR** copies of upgrade thesis (incorporating all suggestions/corrections) to the RC. Research Council will verify the same and submit to Registrar for Ph.D. notification of research scholar.

## 10 Notification of Award of Degree

University will issue a notification of award of Ph. D. degree and research scholar will receive the degree in the forthcoming convocation.

Marwadi University follows all norms of UGC as and when published by UGC and changes in above regulations will be made accordingly.