

**THE TAMIL NADU
Dr. M.G.R. MEDICAL UNIVERSITY,**

69, ANNA SALAI, GUINDY,
CHENNAI - 600 032.



**REGULATIONS
FOR THE DEGREE OF
DOCTOR OF SCIENCE 2010**

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THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY, CHENNAI.

Regulations for the Degree of Doctor of Science (D.Sc.) – 2010.

1. PREAMBLE

The Degree of Doctor of Science (D.Sc.) is the highest degree of this University.

In exercise of the powers conferred by section 44 of the Tamil Nadu Dr. M.G.R. Medical University, Chennai, Act, 1987 (Tamil Nadu Act 37 of 1987), the Standing Academic Board of the Tamil Nadu Dr. M.G.R. Medical University, Chennai, hereby makes the following regulations:

2.SHORT TITLE AND COM0MENCEMENT:

These regulations shall be called “THE REGULATIONS FOR THE DEGREE OF DOCTOR OF SCIENCE (D.Sc.) – 2010 OF THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY, CHENNAI’.

These regulations are applicable for the D.Sc. candidates who are registered from 1st July 2010 onwards.

The regulations framed is subject to modification from time to time by the Standing Academic Board of the University.

3. ELIGIBILITY

3.1. A candidate who has qualified for the Degree of Doctor of Philosophy of this University or from any other University in any one of the faculties approved by the Governing council and who has subsequently carried out Post-Doctoral Research work for a period of one year in the Departments of this University or in colleges affiliated to this University or in a Medical Council of India approved research institution located anywhere in india recognized for the research leading to the award of Ph.D. Degree may present themselves for the degree of Doctor of Science (D.Sc.).

3.2. Such candidate who is full time teacher/research scholar in the departments of this University/affiliated colleges or in a Medical Council of India approved institution is only eligible to submit their thesis for the award of degree of Doctor of Science (D.Sc.)

3.3 * In the faculty of Medicine, Dentistry, Indian Medicine & Homoeopathy and Allied Health Sciences should have completed ONE YEAR of research experience after Ph.D.

3.4. * Candidates should have published minimum of TEN Research Papers related to the speciality but different from the publications during Ph.D.

3.5. * Atleast in 50% of the publications, the candidate should be the First Author.

3.6. * Publications should be in Indexed Peer Reviewed Journal with decent Impact Factor and sufficient citations.

(* As resolved in the 46th Meeting of the Standing Academic Board dated 17.07.2013)

4. ELIGIBILITY CERTIFICATE FOR D.Sc. CANDIDATES

The candidates applying for D.Sc. Provisional Registration in this University for January/July Session should obtain Eligibility Certificate from the University. For JANUARY SESSION the candidate has to get Eligibility Certificate between 16TH OCTOBER to 15th NOVEMBER and for JULY SESSION between 16TH APRIL to 15th MAY.

| Registration Session | Last date for submission of ELIGIBILITY APPLICATIONS |
|--|--|
| <ul style="list-style-type: none"> • January | <p>16TH OCTOBER to 15th NOVEMBER (The fee should be paid from 16TH OCTOBER to 15th NOVEMBER of the year, through online PAYMENT GATEWAY /University Challan).</p> |
| <ul style="list-style-type: none"> • July | <p>16TH APRIL to 15th MAY (The fee should be paid from 16TH APRIL to 15th MAY of the year, through online PAYMENT GATEWAY/ University Challan).</p> |

5.. PROCEDURE FOR REGISTRATION

5.1. A candidate for the award of Doctor of Science (D.Sc.) shall apply with the University by remitting the prescribed fees along with the application form as in Annexure - I obtained from the University for Registration, duly filled in within the stipulated periods for the month of January and July . The application form may also be downloaded from the University Website www.tnmmu.ac.in. The cost of the application is Rs. 5,000/- or the amount prescribed by the University from time to time. If downloaded, the cost of application has to be paid along with other fees

5.2. Registration session

Registration for D.Sc. degree shall be done twice during the year (i.e.) January and July. At the time of Registration, the candidate should give the names of 12 experts in the chosen field with full contact details.

5.3 The candidate has to submit the abstract of the thesis in a detailed manner along with the duly filled in application form and fees to this University. The abstract of the thesis will be scrutinized by the D.Sc. Advisory Committee and also name a panel of suitable examiners to evaluate the thesis. The committee shall consist of experts in the speciality concerned and allied professionals in the field of research.

5.4. IF THE D.Sc. ADVISORY COMMITTEE REJECTS THE ABSTRACT OF THE THESIS ON TWO SUCCESSIVE OCCASIONS, THEN THE CANDIDATE HAS TO SUBMIT A FRESH APPLICATION ALONG WITH THE PAYMENT OF STIPULATED FEES AS MENTIONED IN THE REGULATIONS.

5.5. The candidate once chosen the topic of the D.Sc. thesis can be changed partially and not completely. The partial modification of the thesis can be allowed only before the end of the first year of the research work . If the candidate has changed the title of thesis completely during the period of research study, the candidate will be discharged from the D.Sc. programme immediately.

5.6. During the five year period of the research work, the candidate has to publish atleast three research publications as the principal author to his credit in any indexed / accredited journal.

5.7. If the candidate has not submitted the three research journals during the five year period of the research work, the thesis submitted by the candidate will not be sent for evaluation.

5.8. The total duration of D.Sc. is five years from the date of Registration of the candidate.

5.9. If the candidate fails to submit the thesis at the end of the fifth year, the candidate will be discharged from the D.Sc. Programme

6. SUBJECT OF THESIS

6.1. The thesis submitted by the candidate for consideration for the award of the degree of Doctor of Science (D.Sc.) shall be substantially the result of post-doctoral research work done in the University Departments / any affiliated Colleges or in any Medical Council of India approved research institutions located anywhere in India.

6.2. The subject will be a reflection of the work done in one year after Ph.D. The candidate shall state in their Registration application the special subject on which the candidate bases their qualification for the D.Sc. Such subject shall be one which relates to the main / related theme of knowledge chosen for the Ph.D. Degree. If the thesis submitted has formed in part the basis for the award of a previous research Degree, the candidate shall clearly set forth in the preface or in a written statement the portion or portions upon which the award of the previous degree was based. The candidate shall submit their application with six copies of the abstract of the D.Sc. thesis which shall be in the form of published work, or published paper(s) or books, that contain original contribution to the advancement of knowledge. The candidate shall also not enclose the publications which contain the materials on which they obtained the Ph.D. Degree. The initiation chapter of the thesis may summarise the doctoral work of the candidate supported by publications and thus indicate the theme of the D.Sc. thesis. The candidates should also provide a detailed citation index of their publications wherever applicable. The D.Sc. thesis must be on a series of connected papers alone on the main theme and additional papers can be submitted in support of the main theme only on the understanding that the candidate indicates to that effect in the preface of the thesis.

6.3. The thesis must be on one main theme and it should not be a series of unconnected papers.

6.4. The candidates in their preface and notes shall indicate the sources from which the information had been obtained and in what respect the investigations carried out by them lead to advancement of scientific Medical knowledge and form a valuable contribution to the field of Medical Science in the subject.

6.5. The change of subject should be clearly set forth in the preface while submitting the D.Sc. Thesis.

7. SUBMISSION OF THESIS

7.1. The candidate shall submit the thesis three months before at the end of fifth year which should be a distinct contribution to Medical Scientific knowledge. Each set consist of:

a) Six typed copy of the thesis

b) Six copies are to lbe submitted as an electronic version of the entire thesis in a standard CD format, Mention must be made about the CD formatting and technicalities used in the CD making and presentation.

7.2. The application and the thesis must be forwarded with the prescribed fee so as to reach the Academic Officer on any working day during the year The fee prescribed shall be remitted through online PAYMENT GATEWAY, Indian Overseas Bank or the IOB challan to be paid at The Tamil Nadu Dr. M.G.R Medical University Premises. No demand Draft /Banker's Cheque will be accepted for the above amount.

7.3 The fee prescribed by the University for the purpose are detailed below :

| | | |
|---|---|--------------|
| A | Cost of Eligibility Certificate Application | Rs. 1,000/- |
| B | Fees for Eligibility Certificate | Rs. 3,000/- |
| C | Cost of the Provisional Registration Application | Rs. 5,000/- |
| D | Non-refundable processing fee | Rs.10,000/- |
| E | D.Sc. Advisory Committee Fee | Rs. 10,000/- |
| F | Registration Fee | Rs. 25,000/- |
| G | Fee for Recognition of other University Ph.D. Degrees | Rs. 25,000/- |
| H | Fee for Change of Title | Rs. 7,500/- |
| I | Cost of Application for Thesis submission | Rs. 1,000/- |
| J | Fee for submission of Thesis | Rs. 50,000/- |

The fees prescribed above are subject to modification by the University from time to time.

8. DECLARATION

The thesis shall include a declaration signed by the candidate that it has been composed by them independently and has not previously formed the basis for the award of any Degree, Diploma, Associateship or Fellowship or other similar title in any other University. If the thesis submitted is partly the basis for the award of a previous research degree, the candidate shall clearly set forth in the preface by written statement the portion or portions which have formed the basis for the award of the previous degree.

9. CERTIFICATION

The head of the Departments and head of institution / affiliated colleges / approved institutions should certify that the candidate carried out the work of Post-doctoral research independently and is a full-time Faculty Member / Research Scholar in the Department / Institution. The certificate shall be included in the thesis.

10. ADDITIONAL PAPERS

The candidate may with the thesis shall enclose printed copies of any original contribution or contributions to the knowledge of their subject or of any cognate subject which might have been published by them independently or co-jointly as evidence of their interest in the field of research.

11. D.SC. ADVISORY COMMITTEE AND EXAMINERS.

11.1 The University shall form a D.Sc., Advisory Committee consisting of 3 members approved by the Vice-Chancellor for every candidate who is submitting the abstract of the thesis. The committee shall consist of experts in the speciality concerned, research workers and allied professionals in the field of research for which the D.Sc. thesis is submitted.

11.2. The D.Sc. Advisory Committee shall three examiners from the list of twelve names suggested by the candidate.

11.3. If the panel of twelve names of external examiners suggested by the D.Sc. Advisory Committee is found to be inadequate the Vice-Chancellor shall

have the power to appoint additional examiners in consultation with the experts of his choice in the concerned field.

12. EVALUATION OF THE THESIS

12.1 The thesis shall be referred by the Vice-Chancellor for evaluation to a Board of Examiners consisting of three persons one from Southern State, one from Northern India and one from abroad from the panel submitted by the D.Sc. Advisory Committee. The evaluation report shall be as in annexure II.

12.2. The D.Sc. thesis submitted by the candidates shall be sent to three Examiners one abroad and one from Southern State and one from North India.

12.3. The Board of Examiners who value the thesis shall report on the merit of the candidate for the award of D.Sc. Degree.

12.4. Each examiner will be given three months time to submit the evaluation report. A reminder will be issued for submission of the evaluation report.

12.5. If no response is received within 3 (three) months then the university will automatically send the copies of the thesis available to the next examiner from the same section to be selected by the Vice-Chancellor with similar instructions.

12.6. Total of 3 (three) approved reports are absolutely essential.

12.7. The three approvals may be obtained at the first or subsequent resubmission of the thesis as the case may be.

12.8. The approved reports by initial set of examiners will be taken into consideration at all stages in deciding the final result.

13. RE-SUBMISSION / REJECTION OF THESIS.

13.1 The Thesis with some shortcomings pointed out by the Examiners will be returned to the candidates for rectification of the defects. Such candidate may resubmit the thesis with all corrections and suggestions implemented in the resubmitted thesis.

13.2. A candidate whose Thesis has not been approved in the first instance may be permitted to re-submit the thesis with corrections and modifications for the second time after a period of 6 (six) months and within 2 (two) years with further

publications on the subject. The re-submitted thesis will be evaluated by same examiners chosen from the original panel.

13.3. A candidate shall ordinarily be permitted to re-submit a thesis for the award of D.Sc. degree for not more than two occasions within the maximum period of 2 years.

13.4. If two examiners have given negative reports then the thesis is deemed as rejected.

14. DECLARATION OF RESULTS.

The evaluation reports of the Board of Examiners shall be placed before the Governing Council for approval and declaration of the result of the candidate for the award of the Degree of Doctor of Science (D.Sc.).

15 . ISSUE OF PROVISIONAL / DEGREE CERTIFICATE.

A candidate who has been successfully declared to have qualified for the Degree of the D.Sc. shall be issued D.Sc. provisional /Degree Certificate duly mentioning the branch / field of /Research / Specialization under which the candidate has carried out his D.Sc. research work.

ANNEXURE – I**APPLICATION****ELIGIBILITY CERTIFICATE FOR D.Sc. CANDIDATES**

| | |
|--|------------|
| Cost of D.Sc. Eligibility Application Form | Rs.1,000/- |
| Fee for issue of Eligibility Certificate | Rs.3,000/- |

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY,
69, ANNA SALAI, GUINDY, CHENNAI – 600 032.

| |
|--|
| D.Sc. DOCTOR OF SCIENCE |
|--|

Read the instructions carefully and fill up all the columns and attach relevant Original certificates along with the application form. Add Rs.1,000/- along with the prescribed fee if the application form is downloaded from the website.

From
(Self Address)

PAYMENT GATEWAY / IOB Challan No:
Date of PAYMENT GATEWAY /IOB Challan
Name of Bank:
Amount:

For Office Use Only :

- a) Application Received by:
- b) Signature of the Assistant, A.S.O &
S.O. Checked the E.C Application

To

The Registrar,
The Tamil Nadu Dr. M.G.R. Medical University, Chennai 600 032.

Sir/Madam,

I request you to kindly issue me the Eligibility Certificate seeking admission in D.Sc., (Doctor of Science) Degree course in the affiliated Institutions/ Departments of this University for **JANUARY/JULY 20__** - Session.

1.. Name of the Applicant Dr :
(In **BLOCK LETTERS** as per records)

2. .Date of Birth & Age :

3. Educational Qualification :

4. Name of the Father / Guardian / Spouse :

6. Present Designation :

7. Address of the Institution :

Telephone No. :

Fax No. :

Mail I.D. :

8.. Residential Address :

Telephone No. :

Mobile No. :

Mail I.D. :

9. a) Ph.D. – Faculty and Branch :
- b) Name of the University :
- c) Years of Research Experience
after Ph.D. :
- d) Total No. of Research Papers
published :

NOTE

- Related to the speciality but apart from the publications during Ph.D.
- The candidate should be the First Author atleast in 50% of the Publications.
- Publications should be in Indexed Peer Reviewed Journal with decent Impact factor and sufficient citations.

10. Title of the D.Sc. Proposal :
(One copy of the Brief summary to be enclosed)

CHECK LIST

NOTE: The Eligibility Applications received without necessary documents as mentioned below, will be summarily REJECTED WIHTOUT ANY PRIOR INTIMATION.

1. **Attested Xerox copy** of the Ph.D. Degree certificate.
2. Those with Ph.D. qualification acquired from other States have to produce the following documents :
 - a) **Attested Xerox copy** of the Migration Certificate from the University in which the candidate has completed his/her Ph.D. qualification.
3. **ORIGINAL** Ethical Committee Clearance for Human / Animal studies.
4. One copy of the Write up/Brief Summary should contain 10-20 pages.
5. **ORIGINAL** No objection certificate from the Head of the Institution.
6. **ORIGINAL** Permission letter from the Head of the Institution & Department.
7. **Service Candidates should send their applications through proper channel.**
8. Address to which the E.C has to be sent :
(Attach a self addressed sufficiently stamped envelopes)

DECLARATION

I hereby declare that all the particulars furnished in the application form is correct to the best of my knowledge.

PLACE :

DATE :

SIGNATURE OF THE APPLICANT:

INSTRUCTIONS

Candidate should submit the following documents for the issue of Eligibility Certificate for admission to D.Sc. (Doctor of Science).

The candidates applying for D.Sc. Provisional Registration in this University for January/July Session should obtain Eligibility Certificate from the University.

For JANUARY SESSION the candidate has to get Eligibility Certificate between 16TH OCTOBER to 15th NOVEMBER.

For JULY SESSION the candidate has to get Eligibility Certificate between 16TH APRIL to 15th MAY.

The following criteria has to be fulfilled by the candidate for the issue of Eligibility Certificate.

1. Attested Xerox copy of the Ph.D. Degree certificate.
2. **ORIGINAL** Ethical Committee Clearance for Human / Animal studies.
3. One hard copy of the Write up / Brief summary

(10-20 pages under the following topics)

- Introduction
- Objective / Aims
- Previous work done
- Plan of study
- Research Methods
- Expected results / outcome
- Innovations / Applications
- References

4. **ORIGINAL** No objection certificate from the Head of the Institution.
5. **ORIGINAL** Permission letter from the Head of the Institution & Department.
6. **Service Candidates should send their applications through proper channel.**
7. Candidate has to submit duly filled in Eligibility Certificate application form downloaded from the Website of The Tamil Nadu Dr. M.G.R. Medical University (www.tnmmu.ac.in & www.tnmgr.ac.in) either in person or by post.
8. Candidate has to remit a sum of Rs.1,000/- (Rupees One thousand only) towards the cost of application and Rs.3,000/- (Rupees Three thousand only) for issue of Eligibility Certificate Fee through online PAYMENT GATEWAY, Indian Overseas Bank or the IOB challan to be paid at The Tamil Nadu Dr. M.G.R Medical University Premises. No demand Draft /Banker's Cheque will be accepted for the above amount.
9. **The amount once remitted by the candidate to the University will not be refunded at any cost.**
10. **Kindly attach a self- addressed sufficiently stamped envelope along with the application form.**
11. **Eligibility Certificate will be sent to the concerned only by Post.**

ANNEXURE – IIAPPLICATION

The Tamil Nadu Dr. M.G.R. Medical University, Chennai.

**APPLICATION FORM FOR THE REGISTRATION OF DEGREE OF
DOCTOR OF SCIENCE (D.Sc.)**

Note: Please read the instructions before filling the application.

1. DETAILS OF REMITTANCE

- a. Name of the Bank / Branch:
- b. Amount Remitted:
- c. Demand Draft Number / Date:
- d. Name of the Bank:
- e. Date of payment:

2. PARTICULARS OF THE APPLICANT -

- a. Name of the applicant:
(in Block Letters)
- b. Date of Birth & Age:
- c. Present designation and :
full address of institution now
working

Pincode :
Telephone No:

Off:

Mobile:

E-mail:

- d. Residential Address :

Pincode:

Telephone No:

3. ACADEMIC DISTINCTIONS

(A separate list may be enclosed for the following :)

- a. Awards / Medals / Prizes and honours achieved during his teaching career :
- b. Number of Scientific Publications :
in accredited journals
- c. Author / Co-author / Editor of any :
publications
- d. Are you an approved Guide / Supervisor for Ph.D., Programme of this University **/OR ANY OTHER UNIVERSITIES IN INDIA**
- e. Membership of Associate Bodies :

4. DETAILS OF Ph.D. :

- a. The year of qualifying for the :
Ph.D., Degree
- b. Name of the University :
which awarded the Ph.D.,
Degree
- c. The Department in which
the Research work for the
award of Ph.D., was carried
out
- d. The Institution in which the :
Research work was carried
Out (Full address)
- e. Title of the Ph.D., Thesis :

- f. Has the Thesis been published
**(The word ends with ALREADY
to be deleted)** :
(If any portion has been published
in accredited journals, it must
be indicated)
- g. List of Publications arising from
Ph.D.

5. DETAILS OF D.Sc.

- a. Area of Research of :
the present Thesis
- b. Title of the D.Sc.
Thesis
- c. Whether any papers on :
his / her Research work
other than the present
thesis have been attached
- d. Whether Six hard bound
copies and six C.D.
version (Please mention
C.D. formatting and Tech-
nicalities used in the C.D.
presentation), have been
enclosed
- e. Details of Experts – 12 names

DECLARATION BY THE CANDIDATE

I hereby declare that the post doctoral research work has been carried out independently and composed by me and has not previously formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title in any other University. In case if any particulars furnished in the application are found to be incorrect at any stage, I agree to forfeit my admission, no matter at what stage of the course I will be in at any time.

Place:

Date :

SIGNATURE OF THE CANDIDATE

6 .CERTIFICATION

a) Certification by the Head of the Department:

This is to certify that
has independently carried out the Post Doctoral work and he is a full time
Faculty Member / Research Scholar in the Department / Institution of the
.....

SIGNATURE OF HEAD OF THE DEPARTMENT

Seal:

Place:

Date:

b) Certification by the Head of the Institution:

This is to certify that
has independently carried out the Post Doctoral Work and he is a full time
Faculty Member / Research Scholar in the Department / Institution of this
.....

SIGNATURE OF HEAD OF THE DEPARTMENT

Seal:

Place:

Date:

ANNEXURE – III**APPLICATION FEE : Rs. 1,000/-****The Tamil Nadu Dr. M.G.R. Medical University, Chennai.****D.Sc. Thesis Submission Application Form**

- 1) Details of Remittance :
 - a) Name of the Bank / Branch.
 - b) Amount Remitted.
 - c) Challan No.
 - d) Date of issue / remittance.
- 2) Name of the Candidate :
- 3) Date of Birth & Age :
- 4) Place of Birth :
- 5) Name and Occupation of father / guardian :
- 6) Nationality :
- 7) Religion :
- 8) Designation of the Candidate :
- 9) Office Address with Tel. No./Fax No./E-mail I.D. :
- 10) Address for Communication with Telephone No. / Fax No. / E-mail I.D. :
- 11) The month and year in which the candidate was provisionally registered (Enclose certified Xerox Copies of confirmation of Provisional Registration) :

- 12) Name of the Department / Institution where :
the Research Work was done Mention may be
made about the additional places of the Research
Work if any.
- 13) Title of the Thesis in Block Letters :
- 14) Signature of the Candidate :
- 15) Signature of the Head of the Department :
where the candidate conducted the
Research Work.
- 16) Signature of the Head of the Institution :
where the candidate is working
- 17) Station with Date :

Instructions to candidates :

- A). The Thesis submission application form – ANNEXURE III should be completely filled and submitted.
- B). Six copies of the Thesis should be submitted as per the university regulations
- C). Two copies of the Thesis should be submitted in the electronic version. The technic / Method used for CD formatting of the Thesis should be mentioned clearly
- D). A fee for Rs. 50,000/- in the form of online PAYMENT GATEWAY, Indian Overseas Bank or IOB Challan to be paid at The Tamil Nadu Dr. M.G.R. Medical University premises.

ANNEXURE - IV**D.Sc. EVALUATION REPORT****NOTE**

- a) To be filled and returned to the University within 3 months from the date of receipt of the communication.
- b) Additional papers may be used if need be

- 1. NAME OF THE CANDIDATE :
- 2. UNIVERSITY REFERENCE No. :
- 3. TITLE OF THESIS :

- 4. DATE OF SUBMISSION :
- 5. PERIOD OF STUDY :
- 6. PLACE OF WORK :
- 7. FOCUS / OBJECTS OF THE THESIS :
- 8. SIGNIFICANCE OF THE WORK DONE :