



MAHARISHI MARKANDESHWAR

(DEEMED TO BE UNIVERSITY)

Mullana-Ambala, Haryana

(Established under Section 3 of the UGC Act, 1956)

(Accredited by NAAC with Grade 'A')

ADMISSION NOTICE 2021 **(for Ph.D. PROGRAMME)**

Applications are invited by **26-8-2021** for admission to the
Ph. D. Programme in the following disciplines:

Sr. No.	Name of Discipline
TECHNICAL STREAM	
1	Agriculture
2	Biotechnology
3	Chemistry
4	Civil Engineering
5	Computer Sc. & Engineering
6	Computer Sc. & Applications
7	Dietetics
8	Electronics & Comm. Engg.
9	Electrical Engineering
10	Law

11	Management
12	Mathematics
13	Mechanical Engineering
14	Pharmacy
15	Physics
MEDICAL STREAM	
1	Bio-Chemistry
2	Community Medicine
3	Pharmacology
4	Physiotherapy
DENTAL STREAM	
1	Public Health Dentistry

The MM(DU) also offers **Fellowships** of **Rs.18,000/- P.M.** with **Contingency** upto **Rs.6,000/-** per annum (for disciplines other than Medical/Dental/Nursing streams) and some of the selected candidates may be considered for the award of Fellowships on their merit and research aptitude.

Except for those exempted from **Entrance Test** as per conditions mentioned in the Prospectus, Admissions will be made on the basis of merit of **Entrance Test** to be held on **31-8-2021** in **ONLINE MODE** at **11.00 A.M.** followed by interview on the same date in the same mode. Those exempted from Entrance Test will also have to appear for interview on **31-8-2021**.

Prospectus containing **Application Form** and other details can be obtained from the counter of the MM(DU) on payment of **Rs. 1000/-** or can be **downloaded** from the website of the MM(DU) in which case a Bank Draft of equivalent amount drawn in the name of the MM(DU) will have to be enclosed with the Application.

REGISTRAR

Ph.: 01731-274475-78 | Fax: 274495

Website: www.mmumullana.org | Email: info@mmumullana.org

ABOUT THE MM(DU)

Ideally located on the '*tapobhoomi*' of Maharishi Markandeshwarji in the river bed of the sacred '*Markanda*', with exotic lush green rural surroundings, the **NAAC Accredited 'A' Grade Maharishi Markandeshwar (Deemed to be University), Mullana-Ambala**, was established under the aegis of the reputed Maharishi Markandeshwar Education Trust, (now known as Maharishi Markandeshwar Trust) which was founded by a great visionary and renowned promoter of education, **Shri Tarsem Garg**, in **November 1993**. Named after Maharishi Markandya (the great-grandson of Bhṛigu Rishi and the son of Rishi Markandu, the eternal torchbearer of communal harmony and religious tolerance, who by his power of pious devotion and deep faith in Lord Shiva, acquired the boon of eternal life by defeating the invincible Yamraja), **MM(DU)** began with the establishment of **MM Engineering College** at Mullana in 1995. Making rapid progress in a short span of 26 years, it has developed into a vast campus comprising the institutions of high-profile professional courses in the areas of **MEDICAL SCIENCES** [MBBS, M.Sc Medical, MD/MS almost in all major specialties, Super speciality courses of **DM** (Medical Gastroenterology, Cardiology) and **M.Ch** (Urology/Neuro-Surgery), **Ph.D** in select disciplines and other para medical courses]; **DENTAL SCIENCES** (BDS and **MDS** in all the nine specialties, Diploma in Dental Hygienists, Certificates in Aesthetic Dentistry and Oral Implantology, **Ph.D**); **PHYSIOTHERAPY** (BPT, **MPT** in five specialties, **Ph.D**); **PHARMACY** (B.Pharm, **M.Pharm** in four specialties, **Pharm D**, **Ph.D**); **NURSING** (B.Sc, M.Sc Nursing in five specialties, P.B. B.Sc Nursing, Post Basic Diploma in Critical Care Nursing, Emergency & Disaster Nursing, Operation Room Nursing, Ortho & Rehabilitation Nursing, Nurse Practitioner in Midwifery, **Ph.D**); **ENGINEERING & TECHNOLOGY** (B.Tech, M.Tech, MA/M.Sc/B.Sc., **Ph.D** in various disciplines); **BUSINESS MANAGEMENT** (BBA/MBA, B.Com, **Ph.D**); **COMPUTER SCIENCE** (BCA, MCA, **Ph.D**); **HOTEL MANAGEMENT** (BHM&CT; B.Sc Hospitality & Hotel Administration, M.Sc Dietetics, **Ph.D**); **LAW** (LL.M., B.A.-LL.B/BBA-LL.B/B.Com-LL.B. **5-yr** integrated courses and **Ph.D**); **AGRICULTURE** (B.Sc. (Honours) Agriculture; B.Sc. (Honours) Agriculture Integrated; M.Sc. (Agronomy); M.Sc. (Entomology) and **Ph.D**.) and many more surpassing in size and standards most conventional Universities in the region. **Exchange Collaborations** with the foreign Universities and institutions of repute have proved highly useful in keeping pace with the global developments in technical and professional education. Other institutions on the campus by the same Trust includes **MM International School**, Mullana-Ambala (for +2 with affiliation from CBSE & Cambridge); and **MM School of General Nursing & Midwifery**.

While in **NIRF** ranking of 2020 by **MHRD**, the **MM (DU)** has attained **overall rank of 93**, its constituent Institute of **MM College of Pharmacy, Mullana** has attained the **rank of 28**, **MM College of Dental Sciences and Research** attained the **rank of 25** and **MM College of Medical Sciences and Research** attained the **rank of 33**. This Deemed to be University has also become first Deemed to be University in North India to have received world famous **QS Five Star** rating in teaching, employability facilities and social responsibility.

The Sponsoring Trust has the pride privilege in establishing the **first self-financing Engineering College**, **first self-financing Medical College** and the **first self-financing Deemed University** in the region. The other Universities which have recently been developed by the Trust as a part of its expansion programme include **MM University, Kumarhatti-Solan (H.P.)**; **MM University, Sadopur-Ambala (Haryana)**; in addition to two other **MM International Schools** at **Ramba-Karnal** and **Sadopur-Ambala**, with the latest addition of a **Nursing College** as a constituent Institutes of **MM University** at **Kumarhatti-Solan**. **MM Medical College & Hospital, Kumarhatti-Solan** also happens to be the first self-financing Medical College in private sector in the State of Himachal Pradesh.

The **MM(DU)** complex comprises independent buildings of various **MM Institutes**, fourteen hostels (6 for boys, 7 for girls and 1 PG hostel for Medical Students) five of which are

centrally air-conditioned, with accommodation for about 6000 students; 1140-beds Medical College Hospital, with latest facilities of CT-SCAN, MRI, ultra modern OTs, Blood Bank, Pathological Labs, etc. as also recently procured 1.5 Tesla MRI and 128 Slice MDLT advanced Software for angiography and Imaging; residential sector with houses for about 500 faculty and administrative staff. Recently a most advanced, highly sophisticated, latest model High Energy Linear Accelerator has been acquired from Elekta of UK named Versa HD for the treatment of cancer patients. This LINEAR Accelerator has the most advanced configuration out of the linear accelerators installed in this region which will provide all types of highly sophisticated Radiotherapy Techniques for treatment of patients and includes 3DCRT (3D Conformal Radiation), IMRT (Intensity Modulated Radiation Therapy), IGRT (Image Guided Radiation Therapy), VMAT (Volumetric Arc Therapy), SRS (Stereotactic Radiosurgery) and SBRT (Stereotactic Body Radiation Therapy). Other facilities include shopping centers, branches of the State Bank of India, Punjab National Bank, HDFC Bank and ICICI Bank with ATM facilities; Post Office; transport service with 80 AC/Delux Buses for staff and students coming from nearby areas; Petrol outlet; Wi-Fi Campus with backbone of optic fibre line with 1 Gbps under MHRD (NMEICT) project, Govt. of India and 45 mbps connectivity; Examination Hall; Auditorium; modern lecture-theatres duly fitted with OHPs and LCDs; own civic facilities like water supply, sewerage and electrification backed by high – powered soundless generators to ensure uninterrupted electric supply to facilitate teaching-learning process. All the MM institutions have well-equipped modern Labs with latest equipments, besides about sixty computer Labs with over 3000 latest computers and licenced softwares.

The air-conditioned and computerized Libraries of this Deemed to be University and its Institutions are well equipped with rich collection of Books, Journals with back volumes, DVDs/CD's/Videos, Theses, with provision of one-time sitting capacity of 1659 readers. In total, there are 185027 books and EBSCO ebooks academic collection, subscribe 15704 national and international Journals including e-journals.

The Library facilities also include access to NPTEL Video/Web Courses, URKUND Plagiarism Software, IEEE, ASME, ASCE, EBSCO's Dentistry and Oral Sciences Source, Lippincott Williams & Wilkins e-collection, K-hub University Collection, statistics Software, BCI-AIR Database, Bentham Science Pharmacy Collection, etc. which provide access to all the users of Engineering, Medical and Dental streams with full text international journals.

This Deemed to be University is also member of national networks like INFLIBNET, MEDLARS, DELNET, etc. through which the collections of various institutions in India and abroad are accessible to the users for records searching. DELNET offers access to more than 22.84 million bibliographic records, 37,847 union list of current periodicals, 20,235 records of union catalogues of periodicals; 9,22,042 records of periodicals articles and 81074 records of theses and dissertations held by 5916 Libraries in the States of India and 25 overseas Libraries. MEDLARS is accessible to all users in the disciplines of Medical Science.

The MM(DU) takes pains in preparing its students as world-class professionals, who can prove to be the pride of any employer. Those who pass out from here are capable of getting prestigious jobs within and outside the country. Several reputed companies visit our campus during the session and our students get high-class placements with enviable packages in reputed establishments through campus interviews even before completion of their courses.

The key differentiator of this Deemed to be University is to focus on high quality research with emphasis on overall development of students, maintaining a balance between academic excellence and moral perfection. Our training for different professions are tuned to making our students responsive to the emerging needs of our nation.

The MM(DU) has, thus, taken up a big challenge of the reconstruction of the society through education.

IMPORTANT INSTRUCTIONS

(for candidates applying for Admission to the Ph.D. (Doctor of Philosophy) Programme)

Aug., 2021

1. Ph.D. Programme is available in the following disciplines with No. of seats as indicated against each:

Sr. No.	Name of Discipline	Sr. No.	Name of Discipline
TECHNICAL STREAM			
1.	Biotechnology	13.	Computer Sc. & Applications
2.	Chemistry	14.	Law
3.	Civil Engineering	15.	Agriculture
4.	Computer Sc. & Engineering	MEDICAL STREAM	
5.	Dietetics	1.	Bio Chemistry
6.	Electronics & Comm. Engg.	2.	Pharmacology
7.	Electrical Engineering	3.	Community Medicine
8.	Management	4.	Physiotherapy
9.	Mathematics	DENTAL STREAM	
10.	Mechanical Engineering	1.	Public Health Dentistry
11.	Pharmacy		
12.	Physics		

2. The candidates before filling up the Application Form should satisfy themselves that they fulfil the eligibility conditions as per provisions of the Ordinance of the respective Ph.D Programme annexed with this Brochure.
3. The selection of the candidates for admission to the Ph.D programme will be made on the basis of merit of the Online Entrance Test to be conducted by the MM (DU) followed by interview by the respective Departmental Research Committee in Online mode. Those who have qualified UGC/CSIRNET in respective disciplines (other than Medical/Dental/Nursing streams) or NET from Agriculture Scientists Recruitment Board for admission to Ph.D in Agriculture or M.Tech with GATE for seeking admission to Ph.D programme, will not be required to appear in the Entrance Test and will be considered for admission **on the basis of their academic merit** followed by **interview** which will also expose the candidates about their depth in the subject, research aptitude, area of research, suitability, etc.
4. The Entrance Test shall have to be qualified by obtaining at least 50% (45% in case of SC/ST/Physically Handicapped) qualifying marks. The Syllabus of the Entrance Test shall consist of Research Methodology and in the subject concerned at PG level in Indian Universities.

5. **(A) PATTERN OF ADMISSION TEST AND INTERVIEW UNIFORMLY APPLICABLE TO ALL THE DISCIPLINES (OTHER THAN MEDICAL/DENTAL AND NURSING STREAMS)**

ADMISSION TEST: Duration : 02 Hours

Maximum Marks : 70

Mode Of Examination: Online

Part – I Research Methodology (Common for all) : 35 marks

35 Objective Type structured questions
carrying 01 mark each

Part – II Subject concerned : 35 marks

35 Objective Type structured questions
carrying 01 mark each

Academic Merit

(for those entitled to Master's Degree : 40 Marks

Exemption from Bachelor's Degree : 20 Marks

Entrance Test)+2 : 10 Marks

INTERVIEW : 30 Marks

Note: 1. **Interview** will be applicable to all the candidates those appearing in **Entrance Test** and those **Exempted** from the Entrance Test.

2. All the candidates who have appeared in the **Entrance Test** and those **Exempted** will also be interviewed **on 31-8-2021**.

3. In the cases of those who are **entitled to Exemption from Entrance Test, but have appeared in the Entrance Test**, marks obtained by them in the **Entrance Test** will be taken into consideration and will subsequently not be allowed to opt for considering them on the basis of Academic Merit.

(B) PATTERN OF ADMISSION TEST AND INTERVIEW UNIFORMLY APPLICABLE IN THE FACULTY OF MEDICAL/DENTAL SCIENCES

ADMISSION TEST: Duration : 02 Hours

Maximum Marks : 70

Mode Of Examination: Online

Part – I Research Methodology (Common for all) : 35 marks

35 Objective Type structured questions
carrying 01 mark each

Part – II Subject concerned : 35 marks

35 Objective Type structured questions
carrying 01 mark each

INTERVIEW : 30 Marks

6. Ph.D entrance test will be conducted in online mode with multiple choice questions in nature.
7. To appear in the examination, applicants will have to login in erp.mmumullana.org [Username: Mobile of the applicant / Password: Date of Birth of applicant (1st January 1981 is to be entered as 01011981)] 15 minutes before the commencement of the entrance test. Although they are advised to login in advance to become familiar with the portal.
8. On the day of examination, after login in the portal erp.mmumullana.org, the link of the entrance test will appear on the portal, sharp at the scheduled time of test. To find the link, students are required to refresh the page at the scheduled time.
9. Applicant's response for each question is being **auto saved** and no separate submit button is required, responses will be saved automatically at the end of the test.
10. After selection and deposit of fees, the candidates will have to undergo a **CourseWork** of one **Semester** and will have to attain 75% attendance to become eligible to appear in the examination of course work. They will have to qualify the same securing at least 55% marks. After getting their topics of research and synopses approved, all the Research Students can proceed further with their research work as per provisions of the respective Ordinance.
11. The filled in Application Form along with the **attested copies of testimonials** which make the candidate eligible for admission to the Ph.D. (Doctor of Philosophy) programme must reach the Deputy Registrar (Academic), MM (Deemed to be University), Mullana-Ambala, 133-207, **on or before the last date as mentioned in the Admission Notice.**
12. The following **documents** will have to be **submitted** by the candidates **alongwith** their **Applications**:
 - (A) **Attested copies of the:**
 - (i) **Matriculation** Pass Certificate or an equivalent Examination Certificate issued by the Board/University for **date of birth.**
 - **Senior Secondary** Pass Certificate (+2).
 - **Detailed Mark Cards (DMCs)** of examinations of **all the Parts** of the **Graduation** Degree.
 - **DMCs** of Examinations of **all the Parts** of the **Master's Degree/Qualifying examination** in the relevant discipline.
 - **DMCs** of Examinations of **M.Phil** or any other **Research Degree**, passed by the candidates, if any, also showing the **Papers offered.**
 - **Certificate of qualifying the UGC/CSIR NET/SLET/NET** from **Agriculture Scientists Recruitment Board** for admission to Ph.D in **Agriculture/GATE.**
 - **Character Certificate** reporting on the inter-personal/social behavioral pattern of the applicant issued by the Institution last attended by the candidate.
 - **DMC** of the **Course Work**, if any, already completed from the MM(DU) or any other recognized University.

- **Experience Certificate** indicating the Position held, Period of Service, name of the Organization, etc., wherever applicable.
- **No Objection Certificate** from the Employer, must be submitted at the time of Entrance Test/Interview, if not being submitted alongwith the Application Form.
- **Passport/Student Visa** in case of NRI/Foreign candidates.

(B) (i) **Two** Passport size **Photographs**, duly attested, one of which to be affixed on the Application Form.

- **Migration Certificate** in case the last Examination has been passed by the candidate from any other University, [other than the MM (DU)]. If not readily available, it can be submitted **within 15 days** from the date of deposit of admission dues.
- **Undertaking** against **Ragging** (to be submitted through on-line at the time of depositing the admission dues). The UGC has launched website for filling up the undertaking on-line www.antiragging.in or asking for the details on helpline@antiragging.in.

Note : The candidates will have to produce the **original documents** at the time of depositing the admission dues.

- All those in service should obtain permission from their respective Department/Office and should attach it with their Application Forms.
- The candidates, who have passed the qualifying examinations from any **Foreign University** will have to submit **Equivalence Certificate** from **Association of Indian Universities (AIU)**, New Delhi and will be considered on fulfillment of the requirements as per relevant provisions of the respective Ordinance.
- RATES OF FEES:** The candidates selected for admission to the Ph.D. Programme shall pay the **Admission and other fees** as prescribed by the MM(DU) from time to time.

Sr. No.	Details	Rates of Fees	Other Streams
		Medical/Dental & Nursing Streams	
1.	Registration/Admission Fee One time to be paid at the time of Admission	• 15000/-	• 10,000/-
		NRI/Foreign Candidates US \$ 500	
2.(i)	Tuition Fee (Per Annum including other annual charges)	• 90,000/-	₹ 60,000/-
2. (ii)	NRI/Foreign Candidates (Per Annum)	US \$ 5000	US \$ 2500

- Note:** (i) Tuition Fee is to be paid every year in advance. No separate intimation will be sent to the research students for depositing the annual tuition fee.
- (ii) 'Year' to be counted from the date of Admission in each case.
- (iii) Tuition Fee for the first year is payable **at the time of Admission**.
- In subsequent years, Annual Fees can be remitted late upto 30 days with a late fee of ₹2500/- (US \$ 250 in the case of NRI/Foreign Candidates).
 - In case Tuition Fee is not paid within the prescribed period as above, registration will stand cancelled without any further notice.
 - Hostel fee will be paid by Hostel residents only.

IMPORTANT: For further details, please refer to the relevant Ordinance annexed with this brochure.

16. RESEARCH FELLOWSHIP:

The Maharishi Markandeshwar (Deemed to be University) also offers **Research Fellowship** of Rs.18,000/- P.M. with **Contingency Grant** upto Rs.6,000/- per year to the scholars enrolled for Ph.D. in **various disciplines** (other than those of **medical streams** i.e. **medical/dental/nursing**). The Fellowships will be awarded taking into consideration the overall **merit** and **research aptitude** of the **scholars** with the **following conditions**:

1. (i) **Initially the Fellowship** will be awarded for **one year** w.e.f. the date of completion of the course work extendable for a **maximum period** of **next two years** on **year to year basis** or **till** the date of submission of the **Thesis** **whichever is earlier**.
- (ii) Each **Scholar** of Ph.D., who is awarded **Fellowship**, will have to work on **whole time basis** and will **attend the Department regularly** to carry on his/her Research work under the guidance of his/her supervisor and will have to **mark his/her attendance on Biometric Machine**.
- (iii) The Scholar will have to **undertake academic load of 6-8 hours a week** to be assigned by the HOD/Institution.
- (iv) The Scholar will regularly submit his/her **six monthly Progress Report** to be **monitored** by the **Research Advisory Committee** as further **continuance of Fellowship** will depend on **satisfactory Progress Report** of the research work done by him/her.
2. (i) The Scholar will **publish** at least **one Research Paper per year** in impact factor journal **indexed with Scopus, Web of Science and/or Pubmed**.
- (ii) The Scholar will complete his/her Ph.D. Programme and shall submit his/her Ph.D. Thesis within the prescribed period as per provisions under the **rules failing which he/she will have to refund the entire amount drawn by him/her under Fellowship**.
- (iii) After completion of the Ph.D., this Deemed to be University will have first right to utilize the services of the scholar on a teaching/academic assignment for a period of at least three years with salary as prescribed by this Deemed to be

University, failing which whole amount of **Fellowship** drawn by the scholar will have to be **refunded** by him/her to which effect a **bond** will have to be **executed** by each of them while conveying his/her acceptance.

3. Contingency of Rs.6,000/-**per year** will be utilized as per following guidelines:

- Expenditure will be incurred on the recommendations of the Supervisor concerned with prior approval of the competent authority.
- The equipments and books purchased, if any, out of the Contingency grant will be the property of the concerned Institute/College and will have to be deposited in the Institute **at the time of submission of the thesis**.
- Other guidelines issued from time to time will also be applicable to the Scholars.

Note: Usually not more than **ONE Fellowship** will be allocated to any subject/discipline.

4. Applications for Fellowships will have to be submitted within 30 days from the date of deposit of Admission dues and joining as a Research Scholar in the MM(DU) through proper channel with the recommendations of the Principal/Director/HOD concerned.

***ORDINANCE – DOCTORATE OF PHILOSOPHY (Ph.D) PROGRAMME (Applicable to the
Faculties other than Medical, Nursing & Dental Sciences)**

1. INTRODUCTION:

- 1.1 Based on UGC Regulations of 2016, this Ordinance is applicable to the research programme leading to the award of Degree of Doctor of Philosophy (Ph.D) which may be undertaken in any of the Departments/Institutes of the University, other than the Faculties of Medical Sciences, Nursing and Dental Sciences, fulfilling the academic, administrative and infrastructure requirements as specified by the UGC.
- 1.2 No research programme for the award of Ph.D. degree shall, however, be undertaken through distance education mode.

2. ACADEMIC CONTROL:

- 2.1 Subject to the general control of the Academic Council, research studies for Ph.D. programme shall be organized by the concerned Board of Studies assisted by the Departmental Research Committee (DRC)/Research Advisory Committee (RAC) in respective discipline.

3. ELIGIBILITY CRITERIA:

- 3.1 A candidate for admission to the Ph.D programme must have obtained any of the following academic qualifications in the discipline of research or a subject allied thereto (the alliance to be decided by the Academic Council on the recommendations of the respective Board of Studies) at the Master's degree level (M.Tech/M.E., MBA, MCA, M.A, M.Sc., M.Sc. Agriculture and LLM etc. other than M.Phil) from a recognized University:
 - 3.1.1 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/CGPA 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.
 - 3.1.2 Candidates 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/CGPA 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 Institution in an integrated programme.
 - 3.1.3 A relaxation of 5% of marks, from 55% to 50% or an equivalent relaxation of grade/CGPA under 3.1.1 and 3.1.2 above may be allowed for those belonging to SC/ST/OBC(non-creamy layer)/differently-abled and other categories of candidates without including the grace marks procedures as per the decision of the Commission from time to time.
 - 3.1.4 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 Institution provisionally subject to declaration of the result of his Viva Voce examination declaring him as successful in the M.Phil Programme.

3.1.5 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.

3.1.6 The candidates, who have passed the qualifying examinations from any foreign University, will have to submit equivalence certificates from the Association of Indian Universities (AIU), New Delhi.

4. DURATION OF THE PROGRAMME:

4.1 Ph.D. programme shall be for a minimum duration of three years, including course work and a maximum of six years. However candidate is to do research work for a minimum duration of two years after the approval of synopsis by the Research Advisory Committee.

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

5. PROCEDURE FOR ADMISSION:

5.1 Ph.D. students shall be admitted through an Entrance Test conducted at the level of the MM (Deemed to be University). The candidates who have already qualified M.Phil comprising course work after seeking admission through Entrance Test or have qualified UGC-CSIRNET (including JRF)/SLET/GATE or NET from Agricultural Scientists Recruitment Board for admission to Ph.D in Agriculture or those who have been awarded Teacher Fellowship by the UGC or any other Regulating Councils for carrying on research leading to the Ph.D. Programme shall be exempted from appearing in the Entrance Test.

5.2 Every year the Departments/Institutes of the MM Deemed to be University shall decide through their academic bodies (Departmental Research Committee) a predetermined and manageable number of Ph.D. scholars to be admitted depending on the number of available Research Supervisors; required infrastructure; research promotion facilities; research labs, library and availability of such other academic and physical facilities keeping in mind the norms regarding the scholar-teacher ratio as referred to in clause 7.5 hereunder.

5.3 The MM Deemed to be University shall notify well in advance in the institutional website and through advertisement in at least two national newspapers, of which at least one shall be in the regional language, the number of seats for admission, subject/discipline-wise distribution of available seats, criteria for admission, procedure for admission, examination centre(s) where entrance test(s) shall be conducted and all other relevant details for information of the candidates seeking admissions.

5.4 The admissions shall be made on the basis of the criteria notified by the MM Deemed to be University keeping in view the guidelines/norms in this regard issued by the UGC and other statutory bodies concerned and taking into account the reservation policy of the Govt. from time to time as applicable in the case of the Self Financing institutions.

5.5 In pursuance of the Admission Notice got published by the MM Deemed to be University, the candidates shall apply for enrollment as Research Scholars for Ph.D. Programme in the Deemed to be University on the prescribed proforma which can be obtained from the Maharishi Markandeshwar Deemed to be University, Mullana - Ambala. The applications so received shall

be submitted to the Department/Institute concerned where the same will be scrutinized and then placed before the Departmental Research Committee (DRC).

The Departmental Research Committee (DRC) headed by the Director/Principal/Head of the Department/Institute shall consist of the following:

- (1) All the Professors of the Department/Institute.
- (2) One Associate Professor/Reader of the Department/Institute possessing the research degree of Ph.D. to be associated on seniority by rotation on year to year basis.
- (3) One Assistant Professor/Lecturer of the Department/Institute possessing the research degree of Ph.D. to be associated on seniority by rotation on year to year basis.

5.6 The MM Deemed to be University shall admit candidates by a two stages process through:

5.6.1 An Entrance Test shall be qualifying with qualifying marks as 50%. The syllabi of the Entrance Test shall consist of 50% of research methodology and 50% shall be subject specific.

Provided that a relaxation of 5% of marks (from 50% to 45%) shall be allowed for the candidates belonging to SC/ST/OBC (Non-Creamy Layers)/differently-abled category in the entrance examination conducted by this Deemed to be University.

5.6.2 The Entrance Test shall be followed by interview/*viva-voce* to be organized by the Department/Institute concerned when the candidates are required to discuss their research interest/area through a presentation before a duly constituted Departmental Research Committee (DRC).

Provided that for selection of candidates, a weightage of 70% to the entrance test and 30% to the performance in the interview/*viva-Voce* shall be given.

5.6.3 The interview/*viva voce* shall also consider the aspects viz. whether the candidate possesses the competence for the proposed research; if the proposed research work can be suitably undertaken at the institution/department; and if the proposed area of research can contribute to new/additional knowledge.

5.6.4 The merit of the candidates exempted from appearing in the Entrance Test shall be determined on the basis of their academic merit followed by interview/*viva voce* alongwith other candidates.

5.6.5 The candidates who have been sanctioned Teacher Fellowship by the UGC or anyother Regulating Body shall be admitted on the basis of interview/*viva-voce* subject to availability of seat in the Department / Institute.

5.7 The list of all the registered students of Ph.D. shall be maintained/ uploaded on its website on year-wise basis. The list shall include the names of the registered candidates, topics of their research, names of their supervisors/co-supervisors, date of enrolment/registration, etc.

5.8 The recommendations with regard to the suitability of the research scholars made by the Departmental Research Committee (DRC) approved by the Vice-Chancellor shall be final.

5.9 The selected candidates will have to deposit the admission dues as prescribed by the University from time to time and will be enrolled as a research scholar with effect from the date he/she deposit the fee.

6. COURSE WORK

6.1 The credit assigned to the Ph.D. course work shall be a minimum of 08 credits and a maximum of 16 credits.

- 6.2 The course work shall be treated as prerequisite for Ph.D. preparation. A minimum of four credits shall be assigned to one or more courses on Research Methodology which could cover areas such as quantitative methods, computer applications, research ethics and review of published research in the relevant field, training, field work, etc. Other courses shall be of advanced level courses preparing the students for Ph.D. degree.
- 6.3 All courses prescribed for Ph.D. course work shall be in conformity with the credit hour instructional requirement and shall specify content, instructional and assessment methods. They shall be duly approved by the authorized academic bodies i.e. Academic Council on the recommendations of the respective Board of Studies.
- 6.4 The Department/Institute where the scholar pursues his/her research shall prescribe the course(s) to him/her based on the recommendations of the Research Advisory Committee, as stipulated under Clause 9.1 below, of the research scholar.
- 6.5 All candidates admitted to the Ph.D. programmes shall be required to complete the course work prescribed by the Department/Institute during the initial one or two semesters.

Provided that each candidate admitted to Ph.D Programme shall have to attend not less than 75% of the lectures delivered in each paper of the course work. However, a deficiency of lectures upto 10% may be condoned by the concerned Director/Principal/Head of Institute/Department in exceptional cases on genuine reasons.

- 6.6 Candidates already holding M. Phil. degree and admitted to the Ph.D. programme, or those who have already completed the course work in M.Phil. and have been permitted to proceed to the Ph.D. in integrated course, may be exempted from the Ph.D. course work. All other candidates admitted to the Ph.D. programme shall be required to complete the Ph.D. course work prescribed by the University.
- 6.7 Grades in the course work, including research methodology courses shall be finalized after a combined assessment by the Research Advisory Committee and the Department and the final grades shall be communicated to the Institution/College preferably within ten days of the examination of the last paper.
- 6.8 Ph.D. scholar has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7-point scale (or an equivalent grade/CGPA in a point scale) in the course work in order to become eligible to continue in the programme and submit the thesis.

7. ALLOCATION OF SUPERVISOR:

- 7.1 Any regular Professor of the MM Deemed to be University/Institute with at least five research publications in refereed journals and any regular Associate/Assistant Professor of the university/institute with a Ph.D. degree and at least two research publications in refereed journals may be recognized as Research Supervisor.

Provided that in areas/disciplines where there is no or only a limited number of refereed journals, the MM Deemed to be University may relax the above condition for recognition of a person as Research Supervisor with reasons to be recorded in writing.

- 7.2 Only a full time regular teacher of the University/Institute can act as a supervisor. The external supervisors are not allowed. However, Co-Supervisor can be allowed in inter-disciplinary areas from other department of the same institute or from other related institution with the approval of the Research Advisory Committee.
- 7.3 The allocation of Research Supervisor for a selected research scholar shall be decided by the Department/Institute concerned depending on the number of scholars per Research Supervisor, the available specializations among the Supervisors and research interests of the scholars as indicated by them at the time of interview/*viva voce*.

- 7.4 In the case of topics which are of inter-disciplinary nature where it is felt that the expertise in the Department/Institute has to be supplemented from outside, the Research Advisory Committee (RAC) may appoint a Research Supervisor from the Department/Institute itself, who shall be known as the Research Supervisor, and a Co-Supervisor from outside the Department/Faculty/ College / Institution on such terms as may be agreed upon with reasons to be recorded in writing.
- 7.5 A Research Supervisor/Co-Supervisor who is a Professor, at any given point of time, cannot guide more than Eight (8) Ph.D scholars. An Associate Professor as Research Supervisor can guide up to maximum of six (6) Ph.D scholars and an Assistant Professor as Research Supervisor can guide up to a maximum of four (4) Ph. D scholars.
Provided that the seat allocated to a Research Scholar shall be treated as vacant from the date of submission of Ph.D. Theses by the Research Scholar.
- 7.6 In case of relocation of a Ph.D. woman scholar due to marriage or otherwise, the research data shall be allowed to be transferred to the University to which the scholar intends to relocate provided all the other conditions in these regulations are followed in letter and spirit and the research work does not pertain to the project secured by the parent institution/supervisor from any funding agency. The scholar will, however, give due credit to the parent guide and the institution for the part of research already done.

If the Supervisor of a candidate leaves the University before the completion of the research work and/or is otherwise unable to see the work through, due to some valid reason(s), the Vice-Chancellor may allow the change of the Supervisor, on the recommendation of the Research Advisory Committee.

8. SYNOPSIS AND TOPIC:

- 8.1 After deposit of the dues, the candidate will submit the synopsis of his/her proposed research programme for presentation of a seminar before the Research Advisory Committee and allocation of Supervisor from within the Department/Institute and, if need be, a Co-Supervisor from other Departments/Institutes. The synopsis approved by the Research Advisory Committee will be placed before the Board of Studies of the Department/Institute for its consideration and approval. However, the process of submission of the synopsis in the case of those who were required to undergo course work will start after the satisfactory completion of the course work. The candidates will be required to finalize their synopses and topics in the Institute/College within one month of the declaration of result of Course Work.

Provided that the candidates who are exempted from undergoing the course work will be required to get their topics and synopses finalized from the Research Advisory Committee (RAC) within one month from the date of deposit of the admission dues.

- 8.2 After approval of the topic and synopsis of the Research Scholar with name of the Supervisor/Co-Supervisor by the Research Advisory Committee (RAC) of the Institute/Department concerned, the Chairman of the Research Advisory Committee (RAC), will host/upload the Synopsis on the topic approved on the INFLIBNET website of 'Shodhgangotri (shodhganga.inflibnet.ac.in)' within fifteen days of the approval by the Research Advisory Committee (RAC), with a soft copy of the same in the form of PDF File to the University Co-ordinator for INFLIBNET Collaboration.
- 8.3 The research topic of a candidate can be allowed to be modified within one year from the date of approval of the topic and the synopsis by the Research Advisory Committee (RAC). However, the date of registration shall remain the same. In case the research topic of the Ph.D. Programme of any candidate is modified at any subsequent stage, the synopsis on the modified topic will also have to be got uploaded on the website of the INFLIBNET by the Chairman, Research Advisory Committee (RAC) within fifteen days of the approval of the same by the

Research Advisory Committee (RAC) and will finally be approved by the Academic Council on the recommendations of the Board of Studies concerned.

Further the candidate will be required to work for atleast two years on changed topic from the date of approval of the same by the Research Advisory Committee (RAC) subject to maximum duration of six years.

9. RESEARCH ADVISORY COMMITTEE:

9.1 There shall be a Research Advisory Committee, for each of the Ph.D. Programmes comprising the following with Director/Principal/HOD of the Department/Institute as Chairman of the Research Advisory Committee:

- (1) All the Professors of the Department/Institute.
- (2) One Associate Professor/Reader of the Department / Institute possessing the research degree of Ph.D. to be associated on seniority by rotation on year to year basis.
- (3) One Assistant Professor/Lecturer of the Department / Institute possessing the research degree of Ph.D. to be associated on seniority by rotation on year to year basis.

The Research Supervisor(s) of the concerned scholar shall also act as Member of the Research Advisory Committee and will be coordinating the matters concerning the Research Scholars working under his/her supervision. This Committee shall have the following responsibilities:

- 9.1.1 To review the research proposals and finalize the topics of research alongwith the name(s) of the Supervisor/Co-Supervisor for final approval by the Academic Council on the recommendations of the respective Board of Studies.
- 9.1.2 To guide the research scholars to develop their study design and methodology of research and identify the course(s) that they may have to do.
- 9.1.3 To periodically review and assist in the progress of the research work of the research scholars.
- 9.2 Each of the research scholars shall appear before the Research Advisory Committee 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 duly approved by Research Advisory Committee (RAC) shall be submitted to the University and copy of the same should be retained by the Research scholar.
- 9.3 In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the University for cancellation of the registration of the research scholar with specific reasons.

10. Admission & Evaluation Fee:

- 10.1 Admission Fees, Annual Fee, Evaluation Fee, etc. to be paid by the candidates shall be as prescribed by the University from time to time. In case any candidate does not pay his/her dues in time, his/her registration/enrolment shall be cancelled without any further notice.

11. JOINING OF OTHER COURSE:

- 11.1 No candidate shall join any other course of study or appear in any other examination while pursuing research. The Vice-Chancellor may, however, allow a candidate to appear in an

examination or to attend a course in this University which is relevant to his/her research and is of minor nature, including improvement of any previous result.

12. SUBMISSION OF THESIS:

12.1 Upon satisfactory completion of the course work and obtaining the marks/grade as prescribed in clause 6.8 above, as the case may be, the Ph.D. scholar shall be required to undertake research work and produce a draft thesis within four years but not before three years from the date of registration to the Ph.D. Programme in the University unless the period is extended by the Vice Chancellor on the recommendations of his/her Supervisor and the Research Advisory Committee on yearly basis upto a maximum of 6 years subject to the provisions under Clause 4.2 of this Ordinance.

12.2 Prior to the submission of the thesis, the scholar shall make a pre submission in the form of presentation before the Research Advisory Committee of the Department/Institute concerned which shall also be open to all faculty members and other research scholars. The feedback and comments obtained from them may be suitably incorporated into the draft thesis in consultation with the Research Advisory Committee under the guidance of his/her supervisor.

12.3 Ph.D. scholars must publish at least one research paper in refereed Journal and make two paper presentations in conferences/seminars before the submission of the thesis for adjudication, and produce evidence for the same in the form of presentation certificates acceptance and/or reprints at the time of requesting for pre-submission alongwith evaluation fee, request for appointment of Examiners alongwith the abstract of nearly 1000 words. No Dues from the University and Completion Certificate duly countersigned by the Supervisor. The Board of Studies will send the approved panel of examiners to the examination branch within a week of pre-submission for further necessary action.

Provided that the research scholars will have to submit the Thesis within three months from the date of pre-submission before the Research Advisory Committee or upto the last date of the expiry of the Ph.D. registration period whichever is earlier failing which whole process for pre-submission will have to be initiated afresh De-novo with such additional fee as may be fixed by the University from time to time in case his/her registration period has not yet been over.

12.4 The Academic Council of the University shall evolve and notify a mechanism using well developed software and gadgets to detect plagiarism and other forms of academic dishonesty. While submitting for evaluation, the thesis shall have an undertaking from the research scholar and a certificate from the Research Supervisor attesting to the originality of the work, vouching that there is no plagiarism, duly verified by the Research Advisory Committee and that the work has not been submitted for the award of any other degree/diploma of the same University where the work was carried out, or to any other University.

12.5 The Academic Council of the University shall also frame guidelines with regard to the formatting and designing of the Ph.D. Thesis uniformly applicable on all Research Scholars for submission of their theses to the University for evaluation.

12.6 If a candidate fails to submit his/her thesis within a period of four years and does not apply for extension before the expiry of his/her period, his/her registration will stand automatically cancelled without any further notice by the University. The period of four years for submission of Ph.D. thesis may be extended in exceptional cases, by a maximum of two years subject to provision under Clause 4.2 above on yearly basis by the Vice-Chancellor on the recommendation of the Supervisor(s) and the Research Advisory Committee (RAC).

12.7 The Ph.D. thesis shall be presented in English only, unless the topic requires it otherwise.

12.8 Every thesis shall be a piece of research characterized either by discovery of new facts or enunciation of a new theory or theories or by fresh interpretation of known facts. In any case, it shall evince the capacity of the candidate for critical examination and judgment. The linguistic presentation of the thesis should be of a high standard i.e. concise, laid out logically and in proper sequence, far from grammatical and typographical errors and referenced properly. No thesis shall be accepted with any kind of dedication statement.

12.9 The research scholar shall submit four typed or photostat copies of his/her thesis alongwith six Soft Copies of the same in the form of CD in PDF file. The scholar shall also submit six copies of the summary of the thesis in about 1000 words.

13. EVALUATION OF THESIS & AWARD OF THE DEGREE, ETC:

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

13.2 The Ph.D. thesis submitted by a research scholar shall be evaluated by his/her Research Supervisor and at least two external examiners of whom one examiner may be from outside the country, selected by the Vice Chancellor out of a panel of 8-10 experts approved by the Board of Studies in respective discipline.

13.3 When the evaluation reports from both the external examiners have been received, the public viva voce of the research scholar to defend the thesis shall be conducted only if the evaluation reports of both the external examiners on the thesis are satisfactory and include a specific recommendation for conducting the viva voce examination.

If one of the evaluation reports of the external examiners, is unsatisfactory and does not recommend viva voce, the Institution shall send the thesis to another external examiner out of the approved panel of examiners and the viva voce examination shall be held only if the report of the latest examiner is satisfactory. If the report of the latest examiner is also unsatisfactory, the thesis shall be rejected and the research scholar shall declared ineligible for the award of the degree.

13.4 **The evaluator will state categorically whether in his/her opinion:**

i) Thesis should be accepted for the award of Ph.D. Degree and is recommended for viva voce examination.

OR

ii) It should be rejected. The evaluator shall state reasons for approval or rejection of the thesis.

The evaluator shall state reasons for approval or rejection of the thesis. If he/she recommends re-submission, he/she shall specifically indicate what modifications he/she wants that candidate to effect and incorporate in the thesis.

In case of any doubt or conflict between the reports by the External Examiners, the matter will be referred to the Research Degree Committee comprising the Vice Chancellor, the Dean of the Faculty concerned and the HOD/Dean Research which will examine the reports for making recommendations to the Vice Chancellor if the thesis be referred to the third examiner or viva to be got conducted.

13.5 The *viva-voce* examination, based among other things, on the critiques given in the evaluation reports, shall be conducted by the Research Supervisor and at least one of the two external examiners preferably the one from within the country, and shall be open to be attended by the members of the Research Advisory Committee, all faculty members of the Department/Institute, other interested experts/researchers and research scholars.

- 13.6 If the examiner appointed by the University is unable or unwilling to conduct the viva-voce examination, another name will be picked up by the Vice-Chancellor from the panel already approved by the Board of Studies to conduct the Viva.
- 13.7 The scholar will have to present himself/herself for the viva-voce examination when fixed by the University failing which he/she will be declared ineligible for the award of Degree. However, in case the scholar is unable to attend the viva-voce on the fixed date for any unavoidable reason, the Controller of Examinations on a request by the scholar in writing with an additional fee as may be prescribed by the University can allow one time postponement of the date up to a maximum period of three months from the date previously fixed by the University, failing which the candidate will be declared ineligible for the award of Degree.
- 13.8 When received, the reports of all the examiners for the evaluation of the thesis and viva voce, shall be placed before the Research Degree Committee. It shall be the function of the Committee to consider the reports and to recommend to the Vice-Chancellor whether:-
- (a) The degree be awarded:-
- OR
- (b) The thesis be rejected.
- After the approval of the recommendations of the Research Degree Committee, the Controller of Examinations will notify the result accordingly.
- 13.9 After finalization of the award of Ph.D. Degree, one copy of the thesis with soft copy will be sent to the University Library and the other to the Departmental/Institutional Library. The third copy will be kept as record in the office for five years after which it will also be sent to the University Library. The Supervisor in his capacity as Internal Examiner will retain his copy for his reference.
- 14. DEPOSITORY WITH INFLIBNET:**
- 14.1 Following the successful completion of the evaluation process and before the announcement of the award of Ph.D. degree, the Controller of Examinations shall submit an electronic copy of the thesis in the form of PDF file to the Co-ordinator - INFLIBNET Collaboration of the University, who will host/upload the same on the INFLIBNET website of Shodhganga@inflibnet.ac.in, so as to make it accessible to other Institutions/Universities.
- 14.2 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 UGC regulations, 2016.
- 15. AWARD OF PH.D. DEGREE PRIOR TO UGC REGULATIONS of 2016:**
- 15.1 Award of degrees to candidates registered for the Ph.D. programme on or after July 11, 2009 till the date of Notification of these Regulations shall be governed by the provisions of the UGC (Minimum Standards and procedure for Awards of Ph.D Degree) Regulation, 2009.
- 16. RECOGNITION OF PH.D. DEGREE OF FOREIGN UNIVERSITY:**
- 16.1 If the Ph.D. degree is awarded by a Foreign University, the University shall refer the issue to a Standing Committee constituted for the purpose of determining the equivalence of the degree awarded by the foreign University.
- 17. PUBLICATION OF THESIS:**
- No thesis shall be published without prior permission of the University. The research scholar may apply to the Principal/Director/Head of the Department/Institute for permission to publish

his/her thesis within five years from the date of notification for the award of degree. The Director/Principal/HOD shall satisfy himself/herself that the thesis is in publishable form. He/she will be guided by the reports of the examiners. A certificate will be obtained from the Supervisor to the effect that necessary improvements suggested by him/her and the examiners have been properly carried out.

18. ADMISSION RULES FOR INTERNATIONAL STUDENTS TO PH.D PROGRAMME:

- 18.1** NRI/Foreign candidates shall be given admission if they fulfill other eligibility conditions as provided in the Ph.D Ordinance and seats are available in the Institute/College/Departments subject to qualifying the Entrance Test if he/she is in India at the time of Entrance Test.
- 18.2** International students who are being sponsored by the Government body such as ICCR or MHRD or EDCIL or a government agency of their own country shall be exempted from the Entrance Test.
- 18.3** A Foreign/NRI candidate seeking admission to Ph.D program shall submit a brief outline of the proposed area of research along with the application form for admission to Ph. D program and also two reference letters from Professors of some other University to the Head of Department / Principal of the College / Institute concerned for consideration by the Departmental Research Committee.
- 18.4** NRI/Foreign candidates who are not present in India at the time of Entrance Test shall need to achieve at least 5 in IELTS Academic or 60 in TOEFL or 150-154 in GRE or 600 in GMAT or qualify in any other equivalent entrance test in their home country. Their merit will be decided on the basis of marks obtained at 10+2 level, Bachelor Degree and Master Degree level (other than M. Phil) as per following criteria:

<u>Level of Examination</u>	<u>Weightage</u>
Master's Degree	50 Marks
Bachelor's Degree	30 Marks
10+2 Examination	<u>10 Marks</u>
	<u>90 Marks</u>

The merit will be followed by Interview (having a weightage of 30 marks) by DRC through SKYPE or Video conferencing or Tele Conference on the basis of a brief outline of the proposed area of research submitted by the candidate.

Provided that a minimum of 50% marks shall be qualifying marks for determining the merit of total weightage i.e. 90+30 Marks.

- 18.5** All the recommendations of the Departmental Research Committee (DRC) with regard to admission of the candidates of Ph.D program in the Institute/Colleges/Departments shall be placed before another Committee headed by the Vice- Chancellor which will include following members for taking final decision/approval regarding allowing admission to the concerned Foreign/NRI student:-

- (i) **Dean of Faculty concerned/Dean (Research).**
- (ii) **Chairman, Departmental Research Committee.**
- (iii) **Proposed Supervisor**
- (iv) **Registrar – Member Secretary**

- 18.6** The period of stay of three years while pursuing Ph.D program including six months' course work shall be mandatory and there shall be no exemption of period for Foreign/NRI research student.
- 18.7** In addition to one Supervisor, a Co-Supervisor may be appointed for offering guidance to the research students, if need be. However, Foreign/NRI research students will be given liberty to opt the Co-Supervisor from his/her own State / Country apart from one Supervisor from Maharishi Markandeshwar (Deemed to be University).

***ORDINANCE - DOCTORATE OF PHILOSOPHY (Ph.D.) Programme**
(Common for Faculties of Medical Sciences, Dental, Nursing)
(w.e.f. the Session 2016-17)

1. INTRODUCTION:

- 1.3 Based on UGC Regulations of 2016, this Ordinance is applicable to the research programme leading to the award of Degree of Doctor of Philosophy (Ph.D) which may be undertaken in the Faculties of Medical Sciences, Dental, Nursing of this University, fulfilling the academic, administrative and infrastructure requirements as specified by the UGC.
- 1.4 The research programme leading to the award of Degree of Doctor of Philosophy (Ph.D.) may be undertaken in various departments of MM Institute of Medical Sciences & Research, MM College of Dental Sciences & Research, MM College of Nursing and MM Institute of Physiotherapy & Rehabilitation, the constituent Institutes/Colleges of the Maharishi Markandeshwar University, Mullana-Ambala.
- 1.5 No research programme for the award of Ph.D. degree shall, however, be undertaken through distance education mode.

2. ACADEMIC CONTROL:

- 2.1 Subject to the general control of the Academic Council, research studies for Ph.D. programme shall be organized by the Board of Studies assisted by the Departmental Research Committee (DRC)/Research Advisory Committee (RAC) in the concerned Faculty.

3. ELIGIBILITY CRITERIA:

- 3.1 A candidate for admission to the Ph.D. programme in the streams of Medical Sciences, Dental Sciences, Nursing must have obtained any of the following academic qualifications in the relevant discipline of research:-

A.For Faculty of Medical Sciences:

- 3.1.1 A candidate who has passed MD/MS/ PG Diploma/**M.Sc. (Medical) in various subjects** with at least **55%** marks or equivalent grade 'B' in the UGC 7-point scale (or equivalent grade/CGPA 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 education institutions.

For Ph.D in Physiotherapy:

- 3.1.2 A candidate for admission to the Ph.D Programme in Physiotherapy must have obtained any of the following academic qualifications from a recognized University:
- (i) At least 60% marks or equivalent grade/CGPA at the Master's Degree examinations in Physiotherapy.
 - (ii) At least 55% marks or equivalent grade/CGPA at the Master's Degree examinations in Physiotherapy with three years teaching experience in any recognized College/Institute /University.

B. For Faculty of Nursing:

- 3.1.3 A candidate for admission to the Ph.D programme must have obtained the academic qualifications of Master of Nursing or a subject allied thereto (the alliance to be decided by the Academic Council on the recommendations of the Board of Studies) from a recognized University.
- 3.1.4 Master's degree or a Professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body after M.Sc. degree with three years teaching/clinical experience with at least 55% marks in aggregate 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.

C. For Faculty of Dental Sciences:

- 3.1.5 A candidate for admission to the Ph.D. programme must have passed MDS (3-Year) course from an Institute recognized by the Dental Council of India.
- 3.1.6 A candidate who has passed Master's Degree Course (MDS) with atleast 55% marks or equivalent grade 'B' in the UGC 7 point scale (or equivalent CGPA 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 a 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 education institutions.
- 3.2 A relaxation of 5% of marks, from 55% to 50% marks may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/differently-abled categories of candidates without including the grace marks procedures as per the decision of the Commission from time to time.
- 3.3 The candidates who passed the qualifying examinations from any foreign University, will have to submit equivalence certificates from the Association of Indian Universities (AIU), New Delhi.

4. DURATION OF THE PROGRAMME:

- 4.1 Ph.D. programme shall be for a minimum duration of three years, including course work and a maximum of six years. However candidate is to do research work for a minimum duration of two years after the approval of synopsis by the Research Advisory Committee.
- 4.2 The Women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of two years for Ph.D. in the maximum duration. In addition, the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of Ph.D. for up to 240 days.

5. PROCEDURE FOR ADMISSION:

- 5.1 The University shall admit Ph.D. students through an Entrance Test conducted at the level of the University. The candidates who have been awarded Teacher Fellowship by the UGC or any other Regulating Councils for carrying on research leading to the Ph.D. Programme shall be exempted from appearing in the Entrance Test.
- 5.2 Every year the concerned Faculty of the University shall decide through their academic bodies (Departmental Research Committee) a predetermined and manageable number of Ph.D. scholars to be admitted depending on the number of available Research Supervisors; required infrastructure; research promotion facilities; research labs, library and availability of such other academic and physical facilities keeping in mind the norms regarding the scholar-teacher ratio as referred to in Clause 7.5 hereunder.
- 5.3 The University shall notify well in advance on the institutional website and through advertisement in at least two national newspapers, of which at least one shall be in the regional language, the number of seats for admission, subject/discipline-wise distribution of available seats, criteria for admission, procedure for admission, examination center(s) where entrance test(s) shall be conducted and all other relevant details for information of the candidates seeking admissions.
- 5.4 The admissions shall be made on the basis of the selection criteria notified by the University keeping in view the guidelines/norms in this regard issued by the UGC and other statutory bodies concerned such as Medical Council of India, Indian Nursing Council and Dental Council of India etc. and taking into account the reservation policy of the Govt. from time to time as applicable in the case of the Self Financing Institutions.
- 5.5 In pursuance of the Admission Notice got published by the University, the candidates shall apply for enrollment as research scholars for Ph.D. Programmes in the University on the prescribed proforma which can be obtained from the Maharishi Markandeshwar University, Mullana - Ambala. The applications so received shall be submitted to the concerned Faculty where the same will be scrutinized and then placed before the Departmental Research Committee (DRC) of the department concerned.

The Departmental Research Committee (DRC) headed by the Head of the Department under the concerned Faculty shall consist of the following:

- (4) All the Professors of the concerned department.
- (2) One Associate Professor/Reader of the concerned department possessing preferably the research degree of Ph.D. to be associated on seniority by rotation on year to year basis.
- (3) One Assistant Professor/Lecturer of the concerned department possessing preferably the research degree of Ph.D. to be associated on seniority by rotation on year to year basis.

Provided that upto two experts in the allied area from allied departments of the university may, if need, be associated in the Departmental Research Committee (DRC) pertaining to concerned subject.

- 5.6 The University shall admit candidates by a two stages process through:
 - 5.6.1 An Entrance Test shall be qualifying with qualifying marks as 50%. The syllabi of the Entrance Test shall consist of 50% marks of research methodology and 50% marks shall be pertaining to the subject concerned.

Provided that a relaxation of 5% of marks (from 50% to 45%) shall be allowed for the candidates belonging to SC/ST/OBC (Non-Creamy Layers)/differently-abled category in the entrance examination conducted by this Deemed to be University.

5.6.2 The Entrance Test shall be followed by interview/*viva-voce* to be organized by the concerned Faculty when the candidates are required to discuss their research interest/area through a presentation before a duly constituted Departmental Research Committee (DRC).

Provided that for selection of candidates, a weightage of 70% to the entrance test and 30% to the performance in the interview/*viva-Voce* shall be given

5.6.3 The interview/*viva voce* shall also consider the aspects viz. whether the candidate possesses the competence for the proposed research; if the proposed research work can be suitably undertaken at the Faculty concerned and if the proposed area of research can contribute to new/additional knowledge.

5.6.4 The merit of the candidates exempted from appearing in the Entrance Test shall be determined on the basis of their academic merit followed by interview/*viva voce* alongwith other candidates.

5.6.5 The candidates who have been sanctioned Teacher Fellowship by the UGC or any other Regulating Body shall be admitted on the basis of interview/*viva-voce* subject to availability of seat in the Faculty concerned.

5.7 The list of all the registered students of Ph.D. shall be maintained/ uploaded on University website on year-wise basis. The list shall include the names of the registered candidates, topics of their research, names of their supervisors/co-supervisors, date of enrollment/registration, etc.

5.8 The recommendations with regard to the suitability of the research scholars made by the Departmental Research Committee (DRC) approved by the Vice-Chancellor shall be final.

5.9 The selected candidates will have to deposit the admission dues as prescribed by the University from time to time and will be enrolled as a research scholar with effect from the date he/she deposits the fee.

6. COURSE WORK:

6.1 The credit assigned to the Ph.D. course work shall be a minimum of 08 credits and a maximum of 16 credits.

6.2 The course work shall be treated as pre-requisite for Ph.D. research work. A minimum of four credits shall be assigned to one or more courses on Research Methodology which could cover areas such as quantitative methods, computer applications, research ethics and review of published research in the relevant field, training, field work, etc. Other courses shall be of advanced level courses preparing the students for Ph.D. degree.

6.3 All courses prescribed for Ph.D course work shall be in conformity with the credit hour instructional requirement and shall specify content, instructional and assessment methods. The courses shall be duly approved by the authorized academic bodies i.e. Academic Council on the recommendations of the concerned Board of Studies under the respective Faculty.

6.4 The Faculty where the scholar pursues his/her research shall prescribe the course(s) to him/her based on the recommendations of the Research Advisory Committee, as stipulated under Clause 9.1 below, of the research scholar.

6.5 All candidates admitted to the Ph.D programmes shall be required to complete the course work prescribed by the Faculty during the initial one or two semesters.

Provided that each candidate admitted to Ph.D Programme shall have to attend not less than 75% of the lectures delivered in each paper of the course work. However, a deficiency of

lectures upto 10% may be condoned by the concerned Director/Principal/Head of Institute/Department in exceptional cases on genuine reasons.

- 6.6 Marks/Grades in the course work, including research methodology courses shall be finalized after a combined assessment by the Research Advisory Committee and the final marks/grades shall be communicated to the Institute preferably within ten days of the examination of the last paper.
- 6.7 Ph.D scholar has to obtain a minimum of 55% of marks /equivalent grade in the UGC 7-point scale /equivalent CGPA in the course work in order to become eligible to continue in the programme and submit the thesis.

7. ALLOCATION OF SUPERVISOR:

- 7.1 Any regular Professor of the concerned Faculty of the University with at least five research publications in refereed journals and any regular Associate/Assistant Professor of the Faculty with a Ph.D degree and at least two research publications in refereed journals may be recognized as Research Supervisor. However for Faculty of Medical Sciences, a guide for the Ph.D degree shall have not less than fifteen year's teaching and research experience after obtaining his/her postgraduate qualification and shall also have not less than ten years postgraduate teaching experience as faculty member.

Provided that in areas/disciplines where there is no or only a limited number of refereed journals, the University may relax the above condition for recognition of a person as Research Supervisor with reasons to be recorded in writing duly recommended by the Research Advisory Committee (RAC).

- 7.2 Only a full time regular teacher of the Faculty of the University can act as a supervisor. The external supervisors are not allowed. However, Co-Supervisor can be allowed in inter-disciplinary areas from other department of the same institute or from other related institution with the approval of the Research Advisory Committee.
- 7.3 The allocation of Research Supervisor for a selected research scholar shall be decided by the concerned Departmental Research Committee (DRC) depending on the number of scholars per Research Supervisor, the available specializations among the Supervisors and research interests of the scholars as indicated by them at the time of interview/*viva voce*.
- 7.4 In the case of topics which are of inter-disciplinary nature where it is felt that the expertise in the Faculty has to be supplemented from outside, the Research Advisory Committee (RAC) may appoint a Research Supervisor from the Faculty itself, who shall be known as the Research Supervisor, and a Co-Supervisor from outside the Faculty on such terms as may be agreed upon with reasons to be recorded in writing.
- 7.5 A Research Supervisor/Co-Supervisor who is a Professor, at any given point of time, cannot guide more than Eight (8) Ph.D scholars. An Associate Professor as Research Supervisor can guide up to maximum of six (6) Ph.D scholars and an Assistant Professor as Research Supervisor can guide up to a maximum of four (4) Ph. D scholars.
- Provided that the seat allocated to a research scholar shall be treated as vacant from the date of submission of Ph.D thesis by the research scholar.
- 7.6 In case of relocation of a Ph.D woman scholar due to marriage or otherwise, the research data shall be allowed to be transferred to the University to which the scholar intends to relocate provided all the other conditions in these regulations are followed in letter and spirit and the research work does not pertain to the project secured by the parent institution/supervisor from any funding agency. The scholar will, however, give due credit to the parent guide and the institution for the part of research already done.

If the Supervisor of a candidate leaves the University before the completion of the research work and/or is otherwise unable to see the work through, due to some valid reason(s), the Vice-Chancellor may allow the change of the Supervisor, on the recommendation of the Research Advisory Committee.

8. SYNOPSIS AND TOPIC:

- 8.1 After deposit of the dues, the candidate will submit the synopsis of his/her proposed research programme for presentation of a seminar before the Research Advisory Committee concerned and allocation of Supervisor from within the Faculty and if need be, a Co-Supervisor from other Departments/Institutes. The synopsis approved by the Research Advisory Committee will be placed before the concerned Board of Studies under the respective Faculty for its consideration and approval. However, the process of submission of the synopsis in the case of those who were required to undergo course work will start after the satisfactory completion of the course work. The candidates will be required to finalize their synopses and topics within one month of the declaration of result of course work.

Provided that the candidates who are exempted from undergoing the course work will be required to get their topics and synopses finalized from the Research Advisory Committee (RAC) of the concerned Faculty within one month from the date of deposit of the admission dues.

- 8.2 After approval of the topic and synopsis of the research scholar with name of the Supervisor/Co-Supervisor by the Research Advisory Committee (RAC) of the Faculty concerned, the Chairman of the Research Advisory Committee (RAC) will host/upload the Synopsis on the topic approved on the INFLIBNET website of 'Shodhgangotri.inflibnet.ac.in' within fifteen days of the approval by the Research Advisory Committee (RAC), with a soft copy of the same in the form of PDF File to the University Co-ordinator for INFLIBNET Collaboration.

- 8.3 The research topic of a candidate can be allowed to be modified within one year from the date of approval of the topic and the synopsis by the Research Advisory Committee (RAC) of the Faculty concerned. However, the date of registration shall remain the same. In case the research topic of the Ph.D. Programme of any candidate is modified at any subsequent stage, the synopsis on the modified topic will also have to be got uploaded on the website of the INFLIBNET by the Chairman, Research Advisory Committee (RAC) within fifteen days of the approval of the same by the Research Advisory Committee (RAC) and will finally be approved by the Academic Council on the recommendations of the Board of Studies of the department under the concerned Faculty.

Further the candidate will be required to work for atleast two years on changed topic from the date of approval of the same by the Research Advisory Committee (RAC) subject to maximum duration of six years.

9. RESEARCH ADVISORY COMMITTEE:

- 9.1 There shall be a Research Advisory Committee for Ph.D Programme in each Faculty comprising the following with Dean of the concerned Faculty as Chairman of the Research Advisory Committee:

- (1) All the Professors of the concerned department.
- (2) One Associate Professor/Reader of the department possessing preferably the research degree of Ph.D to be associated on seniority by rotation on year to year basis.
- (3) One Assistant Professor/Lecturer of the department possessing preferably the research degree of Ph.D to be associated on seniority by rotation on year to year basis.

The Research Supervisor(s) of the concerned scholar shall also act as Member of the Research Advisory Committee and will be coordinating the matters concerning the research scholars working under his/her supervision. This Committee shall have the following responsibilities:

- 9.1.1 To review the research proposals and finalize the topics of research alongwith the name(s) of the Supervisor/Co-Supervisor for final approval by the Academic Council on the recommendations of the concerned Board of Studies after recommendation/clearance from the Institutional/Animal Ethics Committee, if required.
- 9.1.2 To guide the research scholars to develop their study design and methodology of research and identify the course(s) that they may have to do, alongwith registration with Clinical Trials Registry of India (CTRI), if required.
- 9.1.3 To periodically review the progress of the research work of the research scholars.
- 9.2 Each of the research scholars shall appear before the Research Advisory Committee once in six months to make a presentation within fixed time span of the progress of his/her work for evaluation and further guidance. The six monthly progress reports duly approved by Research Advisory Committee (RAC) shall be submitted to the University and copy of the same should be retained by the Research scholar.
- 9.3 In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee of the Faculty concerned shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the University for cancellation of the registration of the research scholar with specific reasons.

10. ADMISSION & EVALUATION FEE:

- 10.1 Admission Fees, Annual Fee, Evaluation Fee, etc. to be paid by the candidates shall be as prescribed by the University from time to time. In case any candidate does not pay his/her dues in time, his/her registration/enrollment shall be cancelled without any further notice.

11. JOINING OF OTHER COURSE:

- 11.1 No candidate shall join any other course of study or appear in any other examination while pursuing research. The Vice-Chancellor may, however, allow a candidate to appear in an examination or to attend a course in this University which is relevant to his/her research and is of minor nature, including improvement of any previous result.

12. SUBMISSION OF THESIS:

- 12.1 Upon satisfactory completion of the course work and obtaining the marks/grades as prescribed in Clause 6.8 above, as the case may be, the Ph.D. scholar shall be required to undertake research work and produce a draft thesis within four years but not before three years from the date of registration to the Ph.D. Programme in the University unless the period is extended by the Vice-Chancellor on the recommendations of his/her Supervisor and the Research Advisory Committee of the Faculty concerned on yearly basis upto a maximum of 6 years subject to the provisions under Clause 4.2 of this Ordinance.
- 12.10 Prior to the submission of the thesis, the scholar shall make a pre-submission in the form of presentation before the Research Advisory Committee of the Faculty concerned which shall also be open to all faculty members and other research scholars. The feedback and comments obtained from them may be suitably incorporated into the draft thesis in consultation with the Research Advisory Committee under the guidance of his/her supervisor.
- 12.11 Ph.D. scholars must publish at least one research paper in refereed Journal prescribed by the UGC and make two paper presentations in conferences/seminars related to thesis work before the submission of the thesis for adjudication, and produce evidence for the same in the form of

presentation certificates/acceptance and/or reprints at the time of requesting for pre-submission alongwith evaluation fee, request for appointment of examiners alongwith the abstract of nearly 1000 words. No Dues from the University and Completion Certificate duly countersigned by the Supervisor. The Board of Studies will send the approved panel of examiners to the Examination branch within a week of pre-submission for further necessary action.

Provided that the research scholars will have to submit the Thesis within three months from the date of pre-submission before the Research Advisory Committee or upto the last date of the expiry of the Ph.D. registration period whichever is earlier failing which whole process for pre-submission will have to be initiated afresh De-novo with such additional fee as may be fixed by the University from time to time in case his/her registration period has not yet been over.

- 12.12 The Academic Council of the University shall evolve and notify a mechanism using well developed software and gadgets to detect plagiarism and other forms of academic dishonesty. While submitting for evaluation, the thesis shall have an undertaking from the research scholar and a certificate from the Research Supervisor attesting to the originality of the work, vouching that there is no plagiarism, duly verified by the Research Advisory Committee of the concerned Faculty and that the work has not been submitted for the award of any other degree/diploma of the same University where the work was carried out, or to any other University.
- 12.13 The Academic Council of the University shall also frame guidelines with regard to the formatting and designing of the Ph.D thesis uniformly applicable to all research scholars for submission of their theses to the University for evaluation.
- 12.14 If a candidate fails to submit his/her thesis within a period of four years and does not apply for extension before the expiry of his/her period, his/her registration will stand automatically cancelled without any further notice by the University. The period of four years for submission of Ph.D thesis may be extended in exceptional cases, by a maximum of two years subject to provision under Clause 4.1 above on yearly basis by the Vice-Chancellor on the recommendation of the Supervisor(s) and the Research Advisory Committee (RAC) of the concerned Faculty.
- 12.15 The Ph.D thesis shall be presented in English only, unless the topic requires it otherwise.
- 12.16 Every thesis shall be a piece of research characterized either by discovery of new facts or enunciation of a new theory or theories or by fresh interpretation of known facts. In any case, it shall evince the capacity of the candidate for critical examination and judgment. The linguistic presentation of the thesis should be of a high standard i.e. concise, laid out logically and in proper sequence, far from grammatical and typographical errors and referenced properly.
- 12.17 The research scholar shall submit four typed or photostat copies of his/her thesis alongwith six Soft copies of the same in the form of CD in PDF file. The scholar shall also submit six copies of the summary of the thesis in about 1000 words.

13. EVALUATION OF THESIS & AWARD OF THE DEGREE, ETC:

- 13.5 The University shall develop appropriate methods so as to complete the entire process of evaluation of Ph.D thesis within a period of six months from the date of submission of the thesis.
 - 13.6 The Ph.D thesis submitted by a research scholar shall be evaluated by his/her Research Supervisor and at least two eligible external examiners of whom one examiner may be from outside the country, selected by the Vice-Chancellor out of a panel of 8-10 experts approved by the Board of Studies in respective discipline.
- 13.3 When the evaluation reports from both the external examiners have been received, the public viva voce of the research scholar to defend the thesis shall be conducted only if the evaluation

reports of both the external examiners on the thesis are satisfactory and include a specific recommendation for conducting the viva voce examination.

If one of the evaluation reports of the external examiners is **unsatisfactory** and does not recommend viva voce, the Institution shall send the thesis to another external examiner out of the approved panel of examiners and the viva voce examination shall be held only if the report of the latest examiner is **satisfactory**. If the report of the latest examiner is also unsatisfactory, the thesis shall be rejected and the research scholar shall be declared ineligible for the award of the degree.

13.4 The evaluator will state categorically whether in his/her opinion:

i) Thesis should be accepted for the award of Ph.D Degree and is recommended for viva voce examination.

OR

ii) It should be rejected. The evaluator shall state reasons for approval or rejection of the thesis.

If he/she recommends re-submission, he/she shall specifically indicate what modifications he/she wants that candidate to effect and incorporate in the thesis.

In case of any doubt or conflict between the reports by the External Examiners, the matter will be referred to the Research Degree Committee comprising the Vice -Chancellor, the Dean of the Faculty concerned and the HOD/Dean Research which will examine the reports for making recommendations to the Vice- Chancellor if the thesis be referred to the third examiner or viva – voce to be got conducted.

13.6 The *viva-voce* examination, based among other things, on the critiques given in the evaluation reports shall be conducted by the Research Supervisor and at least one of the two external examiners preferably the one from within the country and shall be open to be attended by the members of the Research Advisory Committee, all members of the Faculty concerned, other interested experts/researchers and research scholars.

13.6 If the examiner appointed by the University is unable or unwilling to conduct the viva-voce examination, another name will be picked up by the Vice-Chancellor from the panel already approved by the concerned Board of Studies to conduct the viva-voce.

13.7 The scholar will have to present himself/herself for the viva-voce examination when fixed by the University failing which he/she will be declared ineligible for the award of Degree. However, in case the scholar is unable to attend the viva-voce on the fixed date for any unavoidable reason, the Controller of Examinations on a request by the scholar in writing with an additional fee as may be prescribed by the University can allow one time postponement of the date up to a maximum period of three months from the date previously fixed by the University, failing which the candidate will be declared ineligible for the award of Degree.

13.8 When received, the reports of all the examiners for the evaluation of the thesis and viva voce, shall be placed before the Research Degree Committee of the concerned Faculty. It shall be the function of the Committee to consider the reports and to recommend to the Vice-Chancellor whether:-

(a) The degree be awarded:-

OR

(c) The thesis be rejected.

After the approval of the recommendations of the Research Degree Committee, the Controller of Examinations will notify the result accordingly.

- 13.10 After finalization of the award of Ph.D Degree, one copy of the thesis with soft copy will be sent to the University Library and the other to the Departmental/Institutional Library. The third copy will be kept as record in the office for five years after which it will also be sent to the University Library. The Supervisor in his capacity as Internal Examiner will retain his copy for his reference.

14. DEPOSITORY WITH INFLIBNET:

- 14.1 Following the successful completion of the evaluation process and before the announcement of the award of Ph.D degree, the Controller of Examinations shall submit an electronic copy of the thesis in the form of PDF file to the Co-ordinator - INFLIBNET Collaboration of the University, who will host/upload the same on the INFLIBNET website of Shodhganga@inlibnet.ac.in, so as to make it accessible to other Institutions/Universities.
- 14.2 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 UGC Regulations, 2016.

15. AWARD OF PH.D DEGREE PRIOR TO UGC REGULATIONS OF 2016:

- 15.1 Award of degrees to candidates registered for the Ph.D programme on or after July 11, 2009 till the date of Notification of these Regulations shall be governed by the provisions of the UGC (Minimum Standards and Procedure for Awards of Ph.D Degree) Regulations, 2009.

16. RECOGNITION OF PH.D. DEGREE OF FOREIGN UNIVERSITY:

- 16.1 If the Ph.D. degree is awarded by a Foreign University, the University shall refer the issue to a Standing Committee constituted for the purpose of determining the equivalence of the degree awarded by the foreign University.

17. PUBLICATION OF THESIS:

No thesis or part thereof shall be published without prior permission of the University. The research scholar may apply to the Dean of Faculty for permission to publish his/her thesis within five years from the date of notification for the award of degree. The Dean of Faculty shall satisfy himself/herself that the thesis is in publishable form. He/she will be guided by the reports of the examiners. A certificate will be obtained from the Supervisor to the effect that necessary improvements suggested by him/her and the examiners have been properly carried out.

18.ADMISSION RULES FOR INTERNATIONAL STUDENTS TO PH.D PROGRAMME:

- 18.1 NRI/Foreign candidates shall be given admission if they fulfill other eligibility conditions as provided in the Ph.D Ordinance and seats are available in the Institute/College/Department subject to qualifying the Entrance Test if he/she is in India at the time of Entrance Test.
- 18.2 International students who are being sponsored by the Government body such as ICCR or MHRD or EDCIL or a government agency of their own country shall be exempted from the Entrance Test.
- 18.3 A Foreign/NRI candidate seeking admission to Ph.D program shall submit a brief outline of the proposed area of research alongwith the application form for admission to Ph. D program and

also two reference letters from Professors of some other University to the Head of Department / Principal of the College / Institute concerned for consideration by the Departmental Research Committee.

- 18.4** NRI/Foreign candidates who are not present in India at the time of Entrance Test shall need to achieve atleast 5 in IELTS Academic or 60 in TOEFL or 150-154 in GRE or 600 in GMAT or qualify in any other equivalent entrance test in their home country. Their merit will be decided on the basis of marks obtained at 10+2 level, Bachelor Degree and Master Degree level (other than M. Phil) as per following criteria:

<u>Level of Examination</u>	<u>Weightage</u>
Master's Degree	50 Marks
Bachelor's Degree	30 Marks
10+2 Examination	<u>10 Marks</u>
	<u>90 Marks</u>

The merit will be followed by Interview (having a weightage of 30 marks) by DRC through SKYPE or Video conferencing or Tele Conference on the basis of a brief outline of the proposed area of research submitted by the candidate.

Provided that a minimum of 50% marks shall be qualifying marks for determining the merit of Total weightage i.e. 90+30 Marks.

- 18.5** All the recommendations of the Departmental Research Committee (DRC) with regard to admission of the candidates of Ph.D program in the Institute/Colleges/Departments shall be placed before another Committee headed by the Vice-Chancellor which will include following

members for taking final decision/approval regarding allowing admission to the concerned Foreign/NRI student:-

- (i) **Dean of Faculty concerned/Dean (Research).**
- (ii) **Chairman, Departmental Research Committee.**
- (iii) **Proposed Supervisor**
- (iv) **Registrar – Member Secretary**

- 18.8** The period of stay of three years while pursuing Ph.D program including six months' course work shall be mandatory and there shall be no exemption of period for Foreign/NRI research student.

- 18.9** In addition to one Supervisor, a Co-Supervisor may be appointed for offering guidance to the research students, if need be. However, Foreign/NRI research students will be given liberty to opt the Co-Supervisor from his/her own State / Country apart from one Supervisor from Maharishi Markandeshwar (Deemed to be University).

MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)

MULLANA-AMBALA- 133207 (HARYANA)

(Established under Section 3 of the UGC Act, 1956)

(Accredited by NAAC with Grade 'A')

APPLICATION FORM FOR ADMISSION TO THE Ph.D PROGRAMME (2021)

1. Name of the candidate :
(in block letters)

2. Father's Name :
(in block letters) Occupation:

3. Mother's Name :
(in block letters) Occupation:

4. Date of Birth :
(proof to be attached)

5. Name of DISCIPLINE for admission to Ph.D Programme:

6. Please tick below whichever is applicable (for statistical information)

Male ☐ Female ☐ Gen ☐ SC ☐ BC ☐ OBC ☐ PH ☐ ESM ☐ Any ☐

7. State of Domicile District

8. Nationality IRI ☐ Foreign ☐
(other than NRI)

9. Details of Examinations Passed:

Name of Examinations*	Name of the University/Board	Name of the Institution	Month/Year of Passing	Subject(s)	Maximum Marks	Marks Obtained	% Marks & Division
Matric							
10+2							
Graduation**							
Master's Degree**							
(Subject)							
M.Phil							
UGC/CSIR NET/SET/ SLET or GATE							
Any other**							

*Attested copies of all the certificates/DMC's/Degrees to be enclosed.

**Mention name of the degree.

10. Basis for seeking Exemption from appearing in the Entrance Test.

Examination qualified	Name of the Examining Body	Month & Year	Supporting documents enclosed, if any.
M.PHIL/NET/GATE/SLET (for Non Medical)			

11. Details, if in employment:*

Name of the Org/ University/Institute	Name of post	Present Pay & Grade	Nature of Appointment	Date of Joining	Remarks
Previous Experience, if any					

* No Objection from the Employer to be enclosed.

P.T.O.

12. Area(s) of interest for research: _____ (one page note to be attached)

13. Details, if already registered/worked for Ph.D. in MM(DU) or elsewhere :

Name of the University/Institute	Subject for which registered	Topic of research	Name of the Supervisor	Period	Reasons for leaving

14. Postal Address for Communication:
..... City State Pin
Ph:(with STD Code)/Mobile : Email ID

15. Permanent Address:
.....

Declaration by the candidate:

I declare that entries made by me in this Application Form are true and correct in all respects and in case any entry or information given by me in this form is found to be false, this shall entail automatic cancellation of my admission besides rendering me liable to such action as this Deemed to be University may deem fit.

I have noted that my admission to the Ph.D. Programme and my continuance on its rolls are subject to the provisions of the MM(DU) and other rules and instructions as may be applicable from time to time. I also undertake that I shall abide by the rules of discipline and proper conduct as are applicable from time to time in the MM(DU) and its institutions.

I am fully aware of the Regulations of the UGC and other Regulating Bodies and law regarding ragging as well as the punishment and that if found guilty on this account, I am liable to be punished accordingly. I undertake that I shall not indulge in any act of ragging. I also undertake that I have read and understood the Information Brochure 2021 of Ph.D. Programme, issued by this Deemed to be University.

Place

Date

Signature of candidate

For office use only

This is to certify that:

1. Basis on which the candidate is entitled for exemption in Entrance Test. _____
2. Basis on which the candidate is entitled for exemption in undertaking the Course work. _____
3. The topic has been approved for registration to Ph.D of Mr./Ms. _____
S/o Shri _____ by the Board of Studies in _____
_____ as under :

Resolution No. of BOS _____ dated _____

Topic : _____

Name of the Supervisor: _____

If the Supervisor has consented: _____

Dated : _____

Signature of DIRECTOR/PRINCIPAL/HOD
(Chairman, Board of Studies)

Dy. Registrar (Regn.)