

**REGULATIONS**

**REVISED ORDINANCE GOVERNING  
MASTER DEGREE PROGRAM IN PHYSIOTHERAPY (MPT), 2020**

(Under Section 35(2), Rajiv Gandhi University of Health Sciences Act, 1994)

**PREAMBLE**

It is expedient to regulate the Institution/ College running Master Degree Program in Physiotherapy (in short MPT), to set the standard in the said discipline, to enable autonomous practice as a specialist and to imbibe the required skill and professionalism in the student. Hence, this revised Ordinance.

**PROGRAM TITLE**

Title and Commencement:

(a) This revised Ordinance governing Master Degree Program in Physiotherapy, 2020.

<b>Master degree program</b>	<b>Specialty</b>	<b>In Short</b>
Master of Physiotherapy (MPT)	Musculo-skeletal Sciences	MPT-MSK
Master of Physiotherapy (MPT)	Sports Sciences	MPT-Sports
Master of Physiotherapy (MPT)	Cardio-vascular & Pulmonary Sciences	MPT-CVP
Master of Physiotherapy (MPT)	Pediatrics	MPT-Ped
Master of Physiotherapy (MPT)	Neurological Sciences	MPT-Neuro
Master of Physiotherapy (MPT)	Community Health	MPT-Com
Master of Physiotherapy (MPT)	Movement Science	MPT-MS

(b) These Rules shall come into force, in all the Institution/ College running Master Degree Program in Physiotherapy (MPT), after the date of notification from the academic year 2021.

(c) Institutions may opt for the specialties they desire to offer based on the infrastructure and facilities and available guide in the specialty. They must ensure to provide for the infrastructure and facilities as mentioned in this ordinance for the specialties opted for.

## COURSE OUTLINE

The Master Degree in Physiotherapy is a two-year program consisting of classroom teaching, self-academic activities and clinical posting. In the first year, theoretical basis of specialty physiotherapy is refreshed along with research methodology and biostatistics. The students are posted in their areas of clinical expertise specialty during this period. They are required to choose their study for dissertation and submit a synopsis. During the second year the students will be posted in their area of specialty. They are required to complete and submit their dissertation. The learning program includes seminars, journal reviews, case presentations, case discussions and classroom teaching. Some of the clinical postings are provided at other reputed centers in the country in order to offer a wider spectrum of experience. The students are encouraged to attend conference, workshop to enhance their knowledge during the course of study. University examinations are held at the end of second year.

## GOALS OF COURSE

1. Preparation of a post graduate student towards his/ her professional autonomy with self-regulating discipline at par with global standards.
2. Formation of base of the professional practice by referral as well as first contact mode using evidence-based practice.
3. Impartation of research basis in order to validate techniques & technology in practice to physiotherapy.
4. Acquainting a student with concept of quality care at the institutional as well as the community levels.
5. Inculcation of appropriate professional relationship in multidisciplinary set up, patient management and co partnership basis.
6. Preparation of students to address problems related to health education and community physiotherapy.
7. Practicing the concept of protection of rights of the community during referral as well as first contact practice.
8. Incorporation of concept of management in physiotherapy.
9. Experience in clinical training and undergraduate teaching partly.
10. Providing the honest, competent and accountable physiotherapy services to the community.

## ELIGIBILITY

Eligibility to offer Master Degree Program in Physiotherapy (MPT)

Any Institution/ College running Graduate Degree Program in Physiotherapy (BPT) and on successful graduation of the first batch is eligible to seek affiliation to start/ commence Master Degree Program in Physiotherapy (MPT).

## Eligibility for Admission

Candidates who have passed B.Sc. (PT) or BPT degree from institutions where the mode of study is a full time program, with minimum 3½ years / 4 ½ years duration from this university or any other university in India or abroad as equivalent with not less than 50% of marks in aggregate and have completed 6 months of compulsory rotating internship in Physiotherapy Colleges recognized by RGUHS - Karnataka are eligible. Candidates who have passed BPT through correspondence or Distance Education program are not eligible.

OR

Candidates who have passed BPT through Bridge Course or through Lateral Entry after completing their Diploma in Physiotherapy from institutions where the mode of study is a full time program from this university or any other university in India or abroad as equivalent with not less than 50% of marks in aggregate and have completed 6 months of compulsory rotating internship in Physiotherapy Colleges recognized by RGUHS - Karnataka are eligible. Candidates who have passed BPT through correspondence or Distance Education program are not eligible.

## Obtaining Eligibility Certificate

No candidate shall be admitted for the postgraduate degree course unless the candidate has obtained and produced the eligibility certificate issued by Rajiv Gandhi University of Health Sciences, Karnataka. The candidate has to make the application to the university with the following documents along with the prescribed fee.

1. B.P.T. or B.Sc. (PT) provisional / degree certificate issued by the respective university.
2. Marks cards of all the university examinations passed.
3. Completion of internship certificate.
4. Proof of SC/ST or category-I as the case maybe.

Candidate should obtain the eligibility certificate before the last date for admission as notified by the university.

A candidate who has been admitted to postgraduate course should register his/her name in the University within a month of admission after paying the registration fee.

## DURATION OF THE COURSE

The duration of master of physiotherapy course shall be extended over a period of two continuous Years' on a full-time basis. Any break in the career, power of extension of the course and the fixation of the term shall be vested with the University.

MEDIUM OF INSTRUCTION
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English will be the medium of instruction for the subjects of study and for the examination of the MPT course.

INTAKE
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The intake of students to the course shall be in accordance with the ordinance in this behalf. The guide student ration should be **1:3**

Intake to the Course:

- (a) An Institution while starting MPT for the first time, the fresh intake to the Master Degree Program in Physiotherapy (MPT) shall not exceed **THREE students/ speciality**.
- (b) The University may increase the intake subject to availability of Post Graduate guides and the Institution/College may apply for increase in intake, only after the first batch of students have successfully completed the above course.
- (c) The Post Graduate intake in the Institution/ College shall not exceed **SIX seats/ speciality**.
- (d) Existing institutions affiliated to RGUHS offering MPT, may continue their admission with their existing total intake capacity as approved by RGUHS and Government of Karnataka order.
- (e) Existing institutions affiliated to RGUHS offering MPT must decide the number of seats they would like to opt for in each specialty and offer them based on the availability of recognized guide for a particular specialty infrastructure and facilities available. However, The Post Graduate intake in the Institution/ College affiliated to RGUHS offering MPT shall not exceed **SIX seats/ speciality**.
- (f) Whereas, the University may increase the intake subject to availability of Post Graduate guides and the Institution/ College may apply for increase in intake in existing institutions affiliated to RGUHS offering MPT for not more than **SIX seats/ speciality**.

Intake of Students:

- a) The intake capacity of students to each specialty seats shall be

Specialty	Maximum Seats
MPT-MSK	SIX
MPT-Sports	SIX
MPT-CVP	SIX
MPT-Ped	SIX
MPT-Neuro	SIX
MPT-Com	SIX
MPT-MS	SIX

- b) However, the intake for fresh commencement in new colleges for the first time shall be THREE per specialty.
- c) The allotment of seats for any specialty shall be subject to availability of recognized guides by RGUHS in the area of specialty chosen.
- d) A new institution imparting a Master's degree in Physiotherapy can apply for seat enhancement only after the first batch of Master in Physiotherapy students have passed. No increase of intake shall exceed THREE seats per year and per specialty at a time.

GUIDE
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#### Post Graduate Guide:

- (a) The teacher in a Physiotherapy College having 5 years of full-time teaching experience after obtaining Master Degree Program in Physiotherapy (MPT) and the teacher has been **recognized as guide by the Rajiv Gandhi University of Health Sciences**, Karnataka. The recognized teacher is eligible to guide the students of MPT program in their respective specialty.
- (b) Every recognized Post Graduate teacher can guide **THREE** students/year
- (c) Whereas, the existing MPT postgraduate guides in institutions affiliated to RGUHS may reapply for their recognition to guide specialty of their choice as per the specialty available in accordance to this ordinance.
- (d) This ordinance proposes to introduce a total of 7 specialties. This creates a need for guides in 2 additional areas in addition to the existing elective branches. A onetime measure is provided to PG guides to select the specialty branch they would guide. Once selected, the individual will be recognized as a guide for the specialty at RGUHS.

The academic qualification and teaching experience required for recognition by this university is as per the criteria for recognition of MPT teachers for guides.

#### Criteria for recognition of MPT teacher / guide

1. M.Sc. (PT) /MPT with five years teaching experience working on a full-time position at a Recognized institution.
2. The age of guide / teacher shall not exceed 63years.
3. The guide student ratio should be 1:3

#### Change of Guide

In the event of registered guide leaving the college for any reason or in the event of death of guide, guide may be changed with prior permission from the university.

<b>COURSE CONTENT &amp; STRUCTURE</b>
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The course and structure are outlined under Subjects of Specialty as follows

SPECIALTY	Teaching & Learning Methods	Weekly Class hours	Total Hours
a) Principles of Physiotherapy Practice b) Research Methodology and Biostatistics c) Exercise Physiology d) Electrophysiology e) Applied Anatomy, Applied Physiology and Biomechanics in the area of specialty f) Physical and Functional Diagnosis relevant to specialty g) Treatment planning and Physiotherapy Management h) Recent Advances in the area specialty	Lectures	2	180
	Seminars	2	180
	Practical and Demonstrations	4	360
	Clinical Discussions	2	180
	Clinical Case presentations	2	180
	Journal Club	2	180
	Classroom Teaching / Pedagogy	1	90
	Self-directed learning/ Library	3	270
	Clinical Training	15	1350
Synopsis & Dissertation work		3	210
Community Camps, Field Visits, Participation in Workshops & Conferences			60
<b>TOTAL HOURS</b>		<b>36</b>	<b>3240</b>

<b>ATTENDANCE</b>
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A candidate is required to attend a minimum of 80% of training and of the total classes conducted during each academic year of the MPT course. Provided further, leave of any kind shall not be counted as part of academic term without prejudice to minimum 80% of training period every year. Any student who fails to complete the course in this manner shall not be permitted to appear the University Examinations. A candidate who does not satisfy the requirement of attendance even in one subject

or more will not be permitted to appear for University Examination. He / She will be required to make up the deficit in attendance to become eligible to take subsequent examination.

#### METHOD OF TRAINING

The training of postgraduate for MPT degree shall be on a full-time pattern with graded responsibilities in the management and treatment of patients entrusted to his / her care. The participation of all the students in all facets of educational process is essential. Every candidate should take part in seminars, group discussions, clinical rounds, care demonstrations, clinics, journal review meetings & CME. Every candidate should be required to participate in the teaching and training programs of undergraduate students. Training should include involvement in laboratory experimental work and research studies.

#### Clinical Facility:

Every Institution/College shall have provision for clinical facility for the specialties offered. This must be available in your own hospital or affiliated hospital.

Clinical Department required in the Hospital.

Every Institution/College shall have provision for clinical facility as specified in Schedule III of the BPT Ordinance 2016

The minimum number of beds required for Master degree program is 150. They may be distributed for the purposes of clinical teaching as specified in Schedule III of the BPT Ordinance 2016.

#### OPD – in campus requirement

Minimum number of outpatient flow shall be 20 per day in the College campus. This is in addition to the OPD at the attached hospital of the college.

**OPD Unit:** Mandatory 2000 sq. ft (minimum) to accommodate exercise and electro therapy units and make provision for mat area and a consultation room. An outpatient department at the tie up facility cannot be considered as an independent OPD Unit of the college. Staff Room of 200 Sq. ft. to be provided for staff in OPD unit.

#### Laboratories:

- (a) Every Institution/College running Master Degree Program in Physiotherapy (MPT) shall have adequate laboratory facilities as specified in the ordinance for Bachelor of Physiotherapy, BPT
- (b) The standard of such laboratory, space, equipment, supplies, and other facilities shall be in consonance with the ordinance for BPT



- i. Biomechanics / (Research Lab)
- ii. Electro therapy Lab
- iii. Exercise therapy Lab

Each lab shall have a minimum area of 800 sq. ft comprising of 5 treatment tables.

The Physiotherapy Labs must have the necessary equipment as prescribed the BPT Ordinance

Practical:

(a) The students shall carry out the practical learning under the guidance and supervision of a recognized guide.

(b) Every batch for practical learning shall consist of not more than SIX students.

(c) e – Learning shall be part and parcel of the Master Degree Program in Physiotherapy (MPT).

Laboratories:

(a) Every Institution/College running Bachelor Degree Program in Physiotherapy shall have adequate laboratory facilities specified in Schedule IV of the BPT Ordinance.

(b) The standard of such laboratory, space, equipment, supplies, and other facilities shall be in consonance with Schedule IV of the BPT Ordinance.

MPT course – Mandatory additional clinical section/ equipment/ Lab requirement.

The detailed list is provided in the curriculum under each Specialty area and the same is a part of this ordinance

(a) MPT –MSK

- i. Affiliation with a hospital having Orthopedic department must be established if offering this elective
- ii. The center MUST have the equipment and facilities mentioned in the curriculum for this specialty.

(b) MPT –Sports

- i. Affiliation with a Sports facility must be established if offering this elective.
- ii. A working MOU for utilizing the Lab facilities at the Affiliated Sports facility will be acceptable.
- iii. The center MUST have the equipment and facilities mentioned in the curriculum for this specialty.

iv.

(c) MPT –CVP

- i. Affiliation with a hospital having General Medicine, General Surgery, Pulmonary and Cardiac department, Medical and surgical ICU, Burns and Plastic surgery department must be established if offering this specialty.
- ii. The center MUST have the equipment and facilities mentioned in the

curriculum for this specialty.

(d) MPT –Ped

- i. Affiliation with a hospital having Pediatric department with PICU and NICU and other centers as specified under the specialty must be established if offering this elective
- ii. An additional Paediatric Physiotherapy department must be established if offering this elective. Paediatric Physiotherapy department may be established as an OPD unit of the college or the affiliated hospital must have an established Paediatric Physiotherapy OPD.
- iii. The center MUST have the equipment and facilities mentioned in the curriculum for this specialty.

(e) MPT –Neuro

- i. Affiliation with a hospital having Neurology department which includes Neuro – Medical and Neuro – surgical units must be established if offering this elective.
- ii. The center MUST have the equipment and facilities mentioned in the curriculum for this specialty.

(f) MPT –Com

- i. MOU with a nearby PHC and other centers as specified under the specialty must be established.
- ii. Infrastructure for Community Physiotherapy outpatient setting in the community
- iii. The center MUST have the equipment and facilities mentioned in the curriculum for this specialty.

(g) MPT –MS

- i. In addition to the existing BPT labs the institution offering Movement Science Specialty must establish an Advanced Biomechanics lab and Ergonomics lab.
- ii. The center MUST have the equipment and facilities mentioned in the curriculum for this specialty.

**MONITORING PROCESS OF STUDENTS  
(INTERNAL MONITORING)**

It is essential to monitor the learning progress of each candidate through continuous appraisal and regular assessment. It not only helps teachers to evaluate students, but also students to evaluate themselves. The monitoring is done by the staff of the department based on participation of students in various teaching / learning activities. It may be structured and assessment be done using checklists that assess various aspects.

**Model checklist are given in the table 1 to 7 (APPENDIX) which may be copied and used**

**Portfolio:** Every candidate shall maintain a work diary and record his/her participation in the training programmes conducted by the department such as journal reviews, seminars etc.

Special mention may be made of the presentations by the candidate as well as details of clinical or laboratory procedures, if any conducted by the candidate. The work diary shall be scrutinized and certified by the Head of the Department and Head of the Institution and presented in the university examination.

**Periodic tests:** The College may conduct periodic tests. The test may include written theory papers, practical, viva voce and clinical in the pattern of university examination. Records and marks obtained in such tests will be maintained by the Head of Department and sent to the University, when called for.

## DISSERTATION

Every candidate pursuing MPT degree course is required to carry out work on a selected research Project under the guidance of a recognized postgraduate teacher. This may include qualitative research, systematic review or empirical research.

The results of such a work shall be submitted in the form of dissertation.

The dissertation is aimed to train a graduate student in research methods and techniques. It includes identification of a problem, formulation of a hypothesis search and review of literature getting acquainted with recent advances, designing of a research study, collection of data, critical analysis, and comparison of results and drawing conclusions.

Every candidate shall submit to the Registrar of university in the prescribed proforma a synopsis containing particulars of proposed dissertation work within 6 months from the date of commencement of the course on or before the dates notified by the university. The synopsis shall be sent through the proper channel. Such synopsis will be reviewed and the university will register the dissertation topic. No change in the dissertation topic or guide shall be made without prior approval of the university. Guide will be only a facilitator, advisor of the concept and hold responsible in correctly directing the candidate in the methodology and not responsible for the outcome and results.

The written text of dissertation shall not be less than 50 pages and shall not exceed 200 pages excluding references, tables, questionnaires and other annexure. It should be neatly typed in double line spacing on one side of paper (A4 size, 8.27" x 11.69") and bound properly. Spiral binding should be avoided. The guide, head of the department and head of the institution shall certify the dissertation.

Dissertation thus prepared shall be submitted to the Registrar (Evaluation) as per the format notified by the University, three months before final examination on or

before the dates notified by the university.

The examiners appointed by the university shall value the dissertation. Approval of dissertation work is an essential precondition for a candidate to appear in the university examination. The dissertation shall be valued by the evaluator (Examiners) apart from the guide out of which one is external outside the university and one internal from other college of the same university. Any one-evaluator acceptance other than the guide will be considered as a precondition for eligibility to take the examination.

Dissertation once defended need not be defended at successive examination attempts.

#### SCHEDULE OF EXAMINATION

The University shall conduct examination for MPT course at the end of 2nd year. The Examinations shall be known as MPT Final Examination. A student shall register for all the papers when he/she appears for the first time.

If a student fails in theory and/or practical of MPT Final Examination, he/she has to reappear for all the papers of examination in both theory and practical respectively.

#### SCHEME OF EXAMINATION

Component	PAPER	Written	Practical	Viva	Total
Theory & Practical	Paper I	100	-	-	100
	Paper II	100	-	-	100
	Paper III	100	100	50	250
	Paper IV	100	100	50	250
TOTAL		400	200	100	700

#### PAPER I IS COMMON FOR ALL THE SPECIALTIES

#### PARTICULARS OF THEORY QUESTION PAPERS AND DISTRIBUTION OF MARKS

A written examination consisting of 4 question papers each of three hours duration & each paper carrying 100 marks. Particulars of Theory question paper & distribution of marks are shown below

PAPER	MARKS ALLOTTED	TOTAL
Paper I	10 Questions x 10 Marks each	100 Marks
Paper II	10 Questions x 10 Marks each	100 Marks
Paper III	10 Questions x 10 Marks each	100 Marks
Paper IV	10 Questions x 10 Marks each	100 Marks

**PATTERN OF MODEL QUESTION PAPER FOR MPT EXAMINATION****MPT – Theory: Maximum Marks: 100 (No choice)**

Duration: 3 Hours

Long Essay (10 Questions) – 10 x 10 = 100Marks

**MPT Practical / Clinical – 150Marks***Note: All cases for clinical examination should be on patients & not on model*

Practical-I + Viva-voce = 1x100= 100 Marks      Viva Voce = 50 Marks

Practical-II+ Viva Voce = 1x100= 100 Marks      Viva Voce = 50 Marks

*[Marks Entry: Practical/Clinical=100Marks      Viva-voce = 50Marks]***PARTICULARS OF PRACTICAL AND VIVA-VOCE**

Clinical Examination will be aimed at examination of clinical skills and competence of the candidates for undertaking independent work as a specialist.

PRACTICAL / VIVA-VOCE	DESCRIPTION	MARKS ALLOTTED
Practical I	Long case from Specialty area to assess investigative, diagnostic skills and patient management skills	100
Viva-voce	5 Spotters and viva from the specialty area	50
Practical II	Major Elective long case aimed at examining clinical skills and competency of the candidate for undertaking independent work as specialist	100
Viva-voce	Viva on dissertation/ Specialty.	50

**PARTICULARS OF VIVA VOCE**

Viva- Voce examination shall aim at assessing depth of knowledge, logical reasoning, confidence & oral communication skills and spotters. Special emphasis shall be given to dissertation work during the MPT Part examination. (The Student need not defend their dissertation at successive attempts). The marks of Viva-Voce examination shall be included in the clinical examination to calculate the percentage and declaration of results.

**EXAMINERS**

**Practical- I** - There shall be 2 examiners. One of them shall be external outside the zone from the same specialty and the other shall be internal from the same specialty from the same college.

**Practical – II** - There shall be 2 examiners. One of them shall be external outside the University from the same specialty and the other will be guide assigned to the student from the same college.

**CRITERIA FOR DECLARING PASS IN THE UNIVERSITY EXAMINATION**

A candidate shall be declared pass if he / she secures a 50% of marks in theory aggregate and secures a 50% of marks in Practical / Clinical and Viva-Voce aggregate.

**DECLARATION OF CLASS**

First class with distinction – 75% & above in aggregate provided the candidate passes the examination in 1<sup>st</sup> attempt. First class – 60% & above in aggregate provided the candidate pass the examination in 1<sup>st</sup> attempt.

Pass – 50% of maximum marks in theory aggregate and 50% of maximum marks in clinical and Viva-Voce aggregate.