

**REVISED ORDINANCE GOVERNING REGULATIONS
AND CURRICULUM OF
MASTER OF PHYSIOTHERAPY COURSE - 2020**



**Rajiv Gandhi University of Health Sciences,
Karnataka, Bangalore**

The Emblem



The Emblem of the Rajiv Gandhi University of Health Sciences is a symbolic expression of the confluence of both Eastern and Western Health Sciences. A central wand with entwined snakes symbolises Greek and Roman Gods of Health called Hermis and Mercury is adapted as symbol of modern medical science. The pot above depicts Amrutha Kalasham of Dhanvanthri the father of all Health Sciences. The wings above it depicts Human Soul called Hamsa (Swan) in Indian philosophy. The rising Sun at the top symbolises knowledge and enlightenment. The two twigs of leaves in western philosophy symbolises Olive branches, which is an expression of Peace, Love and Harmony. In Hindu Philosophy it depicts the Vanaspathi (also called as Oushadi) held in the hands of Dhanvanthri, which are the source of all Medicines. The lamp at the bottom depicts human energy (kundalini). The script “Devahitham Yadayahu” inside the lamp is taken from Upanishath Shanth i Manthram (Bhadram Karnebh i Shrunuyanadev...), which says “May we live the full span of our lives allotted by God in perfect health” which is the motto of the Rajiv Gandhi University of Health Sciences.

Rajiv Gandhi University of Health Sciences, Karnataka, Bangalore

Vision Statement

The Rajiv Gandhi University of Health Sciences, Karnataka, aims at bringing about a confluence of both Eastern and Western Health Sciences to enable the human kind - “Live the full span of our lives allotted by God in Perfect Health.”

It would strive for achievement of academic excellence by Educating and Training Health Professionals who

- Shall recognize health needs of community,
- Carry out professional obligations ethically and equitably and in keeping with National Health Policy.

It would promote development of scientific temper and Health Sciences Research.

It would encourage inculcation of Social Accountability amongst students, teachers and institutions.

It would Support Quality Assurance for all its educational programmes.

Motto

“Right for Rightful Health Sciences
Education”



ರಾಜೀವ್ ಗಾಂಧಿ ಆರೋಗ್ಯ ವಿಜ್ಞಾನಗಳ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಕರ್ನಾಟಕ, ಬೆಂಗಳೂರು
RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES, KARNATAKA, BENGALURU
4th T Block, Jayanagar, Bengaluru – 560 041

Ref: ACA/DCD/MPT/379/2019-20

Date: 12/08/2020

NOTIFICATION

Sub: Revised Ordinance Governing Master of Physiotherapy Course (MPT),
2020.

- Ref:
- 1) Proceedings of 146th Syndicate meeting held on 30/11/2019
- Changeover of MPT to specialty degree program dated 20-12-2019
 - 2) Proceedings of BOS PG physiotherapy held on 19/03/2020
 - 3) Proceedings of Faculty meeting of Biomedical & Allied Health
Sciences held on 22/06/2020
 - 4) Proceedings of CAC meeting held on 4/07/2020
 - 5) Proceedings of 150th Syndicate meeting held on 10/07/2020

In exercise of the powers vested under Section 35(2) of RGUHS Act, 1994, the Revised Ordinance Governing Master of Physiotherapy Course (MPT), program is notified herewith as per Annexure.

The above Regulation shall be applicable to the students admitted to the said course from the academic year 2021-22 onwards.


REGISTRAR

To

The Principals of all colleges of MPT Course affiliated to RGUHS, Bangalore.

Copy to:

1. The Principal Secretary to Governor, Raj Bhavan, Bangalore - 560001
2. The Principal Secretary Medical Education, Health & Family Welfare Dept.,
M S Building, Dr.B.R. Ambedkar Veedhi, Bangalore – 01
3. PA to Vice – Chancellor/PA to Registrar/Registrar (Eva.)/Finance Officer,
Rajiv Gandhi University Health Sciences, Bangalore
4. All Officers of the University Examination Branch/ Academic Section.
5. Guard File / Office copy.

**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.

Title and Commencement:

Master Degree Program in Physiotherapy (MPT).

Master degree program	Specialty	Abbreviation
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

- (a) These Rules shall come into force, in all the Institution/ College running Master Degree Program in Physiotherapy (MPT), from the academic year 2021-2022.
- (b) 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 of students.

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 may be.

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

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

INTAKE

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 of students 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/ specialty**.
- (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/ specialty**.
- (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/ specialty**.
- (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/ specialty**.

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

GUIDE

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) The age of guide / teacher shall not exceed 58 years. Further, upto the age of 63 years, the teacher shall produce undertaking by the Institution stating they will be continued for a period of 2 years.
- (d) 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.
- (e) 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.

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 within 3 months with prior permission from the university.

ATTENDANCE

A candidate is required to attend a minimum of 80% of training and 80% 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. He / She will be required to make up the deficit in attendance to become eligible to take subsequent examination.

COURSE CONTENT & STRUCTURE

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	1	90
	Library	3	270
	Clinical Training	15	1350
Synopsis & Dissertation work		3	210
Community Camps, Field Visits, Participation in Workshops & Conferences			60
TOTAL HOURS		36	3240

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 their 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 Master of Physiotherapy, MPT
- (b) The standard of such laboratory, space, equipment, supplies, and other facilities shall be in consonance with the ordinance for MPT
 - 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).

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 elective.
- 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 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 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

Work diary: Every candidate shall maintain a work diary and record his/her participation in the training programmers 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 of 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.

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 directing the candidate in the methodology and not responsible for the outcome and results.

1. Introduction
2. Aims or objectives of study
3. Review of literature
4. Material and methods

5. Results
6. Discussion
7. Conclusion
8. References
9. Appendices

The written text of dissertation shall not be less than 50 pages and shall not exceed

100 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.

Four copies of dissertation thus prepared shall be submitted to the Registrar (Evaluation), 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.

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

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 = 100 Marks

MPT Practical / Clinical – 150 Marks

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 = 100 Marks Viva-voce = 50 Marks]

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 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 1st attempt. First class – 60% & above in aggregate provided the candidate pass the examination in 1st attempt.

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

