

## **MPT PROGRAMME SPECIFIC OUTCOMES**

### **1<sup>st</sup> Year MPT**

Every candidate presenting himself/herself for the examination for the first year should have Dissertation synopsis Title approved by MUHS Nashik.

Every candidate shall submit to the Registrar of the University in the prescribed proforma, a synopsis containing particulars of proposed dissertation work within four months from the date of commencement of the course or on or before the dates notified by the University. The synopsis shall be sent through the proper channel. The ethics committee (College level) approves the Topic. Such synopsis will be reviewed and the dissertation topic will be registered by the University.

85% attendance is mandatory for each year.

At the end of first Year University exams will be conducted in theory and practicals.

Every candidate presenting himself/herself for the examination for the first time for final year shall submit, at least four months prior to the university examination, one soft and three written copies of a dissertation not less than 2500 words consisting of the result of his/her own study carried out under the guidance of a recognized post graduate teacher together with review of recent advances pertinent to that theme. The acceptance of the dissertation by the examiners shall be a condition precedent to the admission of the candidate for the second/final year written & clinical (practical) examination. Dissertation should be based on the specialty subject.

A candidate who has submitted his/her dissertation once will not be required to submit a fresh dissertation if he/she re-appears for the examination in the same branch on a subsequent occasion, provided that the examiners have accepted the dissertation.

The Examination for second year Master of Physiotherapy (specialty) shall be held at the end of two academic years.

The Degree of Master of Physiotherapy (specialty) shall not be conferred upon a candidate Unless he/she has passed in the written, clinical (including viva voice) and the dissertation prescribed for the examination in accordance with the provision.

## **Log Book**

Every candidate shall maintain a log book and record his/her participation in the- clinical postings and programmes conducted by the department. Record in the log book will contain report of attendance and documentation as per MUHS Nashik guidelines

The Attendance and progress report scrutinized and certified by the Head of the Department and Head of the Institution to be submitted to the university with the exam form for first year examination.

The log book in prescribed MUHS, Nashik format shall be scrutinized and certified by the Head of the Department and Head of the Institution and submitted to the university with the exam form for the final examination.

## **2<sup>st</sup> Year MPT**

1. Analyze and discuss the biomedical, behavioral and social science bases of physiotherapy and integrate the bases into physiotherapy practice.
2. Collects assessment data relevant to the client's needs and physiotherapy practice.
3. Be able to conduct the patient evaluation and assessment as per condition.
4. Assess, analyze, and plan physiotherapy management.
5. Apply and evaluate physiotherapy management.
6. Able to assess, plan, & manage Physiotherapy in acute care set up.
7. Use of ICF & its core sets in documenting & coding the functional status information for purpose of assessing stakeholder needs & planning management.
8. Advise patient on appropriate nutrition, exercises, rest, relaxation other issues
9. Demonstrate professional practice.
10. Demonstrate autonomous physiotherapy practice.
11. Demonstrate the ability to search and retrieve scientific literature
12. Demonstrate an understanding of research methods.

13. Demonstrate the ability to critically analyse scientific literature

14. Prepare Report findings of critical analysis in a scientific format

S. no.	Learning outcomes	Knowledge/comprehension	Applications / synthesis / evaluation
1.	<p>Analyse and discuss the biomedical, behavioural and social science bases of physiotherapy and integrate the bases of physiotherapy practice</p>	<p>abnormal patterns of human development and movement.            framework of the human body including major systems and aspects of the social, cultural, psychological, environmental, spiritual and belief systems influencing human development.            of health &amp; its contribution to wellness.</p>	<p>patterns of human development and movement..            structural and functional anatomy.            landmarks.            process and the changes throughout the life span.            lifestyles for patients/clients</p>
2	<p>Collects assessment data relevant to the client's needs and physiotherapy</p>	<p>and purpose of assessment as well as any associated significant risk.</p>	<p>technique which includes to know the condition and to gather information about his/her ailment.            significant changes during the course</p>

	practice.		of assessment and takes appropriate actions as required. safely and accurately, taking into account client consent, known indications, guidelines, limitations and risk-benefit considerations.
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S. no.	Learning outcomes	Knowledge/comprehension	Applications / synthesis / evaluation
3.	<p>Be able to conduct the patient evaluation and assessment as per condition.</p>	<p>assessment techniques.</p> <p>functions, cranial nerves, ROM, MMT, Muscle tightness, muscle tone, myotome, sensory evaluation, balance, coordination, hand function, functional outcome measures, Physical fitness, cardio-respiratory evaluation, posture &amp; gait.</p> <p>radiological findings &amp; other investigations.</p> <p>with choice of assessment and examination procedures</p>	<p>technique to know the condition and to gather information about his/her ailment.</p> <p>re-examines a patient using standardized measures.</p> <p>measurements.</p> <p>allow for identification of the patient's/client's impairments, activity limitations and participation restrictions.</p> <p>differential diagnosis</p> <p>physiotherapy, identifies risks of care, and makes appropriate clinical</p>

			decisions based upon the examination, evaluation and current available evidence.
4	Assess, analyse, and plan physiotherapy management	assessment, clinical reasoning, problem identification, goal setting, treatment planning. assessment techniques and protocols. department. sound pathophysiological rationale`	current health status and previous functional abilities. and non-verbal responses. and Analyze how the differences in personality influence approach technique which includes to know the condition and to gather information about his/her ailment.
5.	Apply and evaluate physiotherapy	department. Understand and Prevent/minimise risks and	efficient interventions. th valuate e effectiveness of the

	managemen t	hazards during physiotherapy interventions safety check time frames.  nowledge of  emergency procedures	Intervention s
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S. no.	Learning outcomes	Knowledge/comprehension	Applications / synthesis / evaluation
6	Able to assess, plan, & manage Physiotherapy in acute care set up.	<ul style="list-style-type: none"> <li>▪ Familiariz e with equipments in acute care</li> <li>▪ Monitorin g of vitals</li> <li>▪ Assesment &amp; interpretatio n of vital signs</li> <li>▪ Know and apply Physiotherapy treatment protocol s in acute care setup</li> </ul>	<ul style="list-style-type: none"> <li>▪ -Apply saf e &amp; effective Physiotherapy intervention. to work as team member of acute care multidisciplinary team.</li> </ul>

7	<p>Use of ICF &amp; its core sets in documenting &amp; coding the functional status information for purpose of assessing stakeholder needs &amp; planning management.</p>	<ul style="list-style-type: none"> <li>▪ Identify and grade the impairment of body structure and body function with respect to the health condition.</li> <li>▪ To identify the activity limitation and participation restriction.</li> <li>▪ To identify the facilitators and barriers with respect to environmental &amp; personal factors.</li> <li>▪ To assess the felt needs of the stakeholder</li> <li>▪ To assess the capacity &amp; plan the need based physiotherapeutic intervention.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Understand use of ICF &amp; its coding in 1) surveys of specific &amp; general population.</li> <li>2.) Analysis of population Health &amp; disability data to facilitate harmonization &amp; comparison of data sets.</li> <li>3) Derive disability questionnaires for regional &amp; international projects.</li> <li>4) Guiding policy development &amp; monitoring its implementation.</li> </ul>
8	Advise patient on	Explain the impact of exercise	Assess the patient's status after



appropriate nutrition, exercises, rest, relaxation other issues.	and nutritional status of patient during treatment	exercise and proper diet.
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S. no.	Learning outcomes	Knowledge/comprehension	Applications / synthesis / evaluation
6	Able to assess, plan, & manage Physiotherapy in acute care set up.	<ul style="list-style-type: none"> <li>▪ Familiarize with equipments in acute care</li> <li>▪ Monitoring of vitals</li> <li>▪ Assessment &amp; interpretation of vital signs</li> <li>▪ Know and apply Physiotherapy treatment protocols in acute care setup</li> </ul>	<ul style="list-style-type: none"> <li>▪ -Apply safe &amp; effective Physiotherapy intervention. to work as team member of acute care multidisciplinary team.</li> </ul>
7	Use of ICF & its core sets in	<ul style="list-style-type: none"> <li>▪ Identify and grade the impairment of body</li> </ul>	<ul style="list-style-type: none"> <li>▪ Understand use of ICF &amp; its coding in 1) surveys of specific &amp;</li> </ul>

	<p>documenting &amp; coding the functional status information for purpose of assessing stakeholder needs &amp; planning management.</p>	<p>structure and body function with respect to the health condition.</p> <ul style="list-style-type: none"> <li>▪ To identify the activity limitation and participation restriction.</li> <li>▪ To identify the facilitators and barriers with respect to environmental &amp; personal factors.</li> <li>▪ To assess the felt needs of the stakeholder</li> <li>▪ To assess the capacity &amp; plan the need based physiotherapeutic intervention.</li> </ul>	<p>general population.</p> <p>2.) Analysis of population Health &amp; disability data to facilitate harmonization &amp; comparison of data sets.</p> <p>3) Derive disability questionnaires for regional &amp; international projects.</p> <p>4) Guiding policy development &amp; monitoring its implementation.</p>
8	<p>Advise patient on appropriate nutrition, during</p>	<p>Explain the impact of exercise and nutritional status of patient</p>	<p>Assess the patient's status after exercise and proper diet.</p>

	exercises, rest, relaxation issues.	treatment  other	
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1. Every candidate pursuing M.P.T 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 a dissertation.

2. The dissertation is aimed to train a postgraduate student in research method and techniques. It includes identification of a problem, formation of a hypothesis, search and review of literature, getting acquainted with recent advances, designing of a research study, collection of data, statistical analysis of results, discussion and drawing conclusion.

3. Every candidate shall submit to the Registrar of the University in the prescribed proforma, a synopsis containing particulars of proposed dissertation work within four 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.

4. Such synopsis will be reviewed and the dissertation topic will be registered by the University.

5. Thesis Topics will be submitted 4 months after admission.

6. The ethics committee (College level) approval is mandatory.

7. Complete dissertation should be submitted 4 months before final examination.

8. The dissertation should be written under the following headings:

i. Introduction

ii. Need for the study

iii. Aims or Objectives of study

iv. Review of Literature

v. Material and Methods

vi. Results

vii. Discussion

viii. Conclusion

ix. Limitation

x. Clinical Implication- Suggestion

xi. Summary

xii. Tables

xiii. Annexure

9. The written text of dissertation shall be not less than 50 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 dissertation shall be certified by the guide, head of the department and head of the institution.

10. Five copies of dissertation along with CD (Softcopy) thus prepared shall be submitted to the controller of Examination, six months before final examination on or before the dates notified by the University.

11. The dissertation shall be valued by examiners appointed by the University. Approval of dissertation work is an essential precondition for a candidate to appear in the University examination.

12. Guide: - The academic qualification and teaching experience required for recognition by this University as a guide for dissertation work is as per M.U.H.S rules of PG teachers.

13. Change of guide: - In the event of a 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.

14. Thesis shall be examined by a minimum of 3 examiners, (Appointed by University) one internal and Two external who shall be examiners for clinical / practical also.

15. At least two examiners shall approve the same otherwise candidate has to redo the dissertation.

16. Candidate is allowed to appear for the exam only after acceptance of thesis.

17. The presentation and submission of dissertation will be as per the guidelines set by the Controller of Examinations in Notification No 08/2010 (Guidelines for submission of dissertation of MPT Courses) and or as per notification revised from time to time.