



**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A DEEMED TO BE UNIVERSITY)**

**Master in Physiotherapy (MPT)
First Year Semester-I March 2023 Examination**

TIME – 3.00 HRS

MAX MARKS: 100

**Physiotherapy Practice
QP CODE: T1010**

*Your answers should be specific to questions asked.
Draw neat labelled diagrams wherever necessary*

Long essay

2 X 20 = 40 Marks

1. Write an essay on academic Planning and Organization
2. Explain principles, function, and management approaches in physiotherapy practice.

Short essay

6X 10 = 60 Marks

3. Write the global definition of physiotherapy and explain the variable scope of practice in physiotherapy.
4. Explain the ICF classification with suitable example.
5. Explain the Ethical Guidelines given by ICMR and compare it to global ethical guidelines.
6. Describe the professional values in Physiotherapy practice and compare the current global and national scenario.
7. List out any 5 primary responsibilities of the Physiotherapy manager and explain the same.
8. List out adult learning theories and explain the advantages for the same.



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Research Methodology & Biostatistics

QP CODE: T1020

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Long Essay

2X20=40M

1. Compare experimental and non-experimental study design. Explain Types of bias with an example. (10+10)
2. Explain descriptive Statistics including Measures of Central Tendency. (10+10)

Short Essay

6X10=60M

3. Explain the types of research articles for publications.
4. Explain the strategies for effective research dissemination.
5. Explain the methods of tabular form and graphical presentations of data.
6. Distinguish between open ended and closed questions.
List the possible ways of increasing the response rate. (5+5)
7. Compare probability and non-probability sampling.
8. How to develop a high-quality questionnaire. When the development of the questionnaire is indicated?



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Basic Sciences Part -I

QP CODE: T1031

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LONG ESSAY

2 X 20 = 40 Marks

1. Explain the evidence based methods used for analysis of ergonomic hazard. Add a note on RULA & REBA ergonomic assessment methods. (10+10)
2. Explain kinetics and kinematics of knee joint in patellectomy. Add a note on tracking of patella in normal knee joint with suitable diagram. (15+5 = 20)

SHORT ESSAY

6X 10 = 60 Marks

3. Explain Ergonomic Approach to lifting and handling of patients in healthcare workspace.
4. How to prepare an educational program for prevention of work related injuries in office set up.
5. Explain the evidence based fatigue counter measures.
6. Explain Trabecular system of Hip complex.
7. Write a short note on Fryette's laws
8. Define carrying angle. Explain its normal biomechanics.