

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



**Master in Physiotherapy (MPT)
First Year Semester-I April 2024 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. Describe the Physiotherapy education framework. Explain the components with suitable example.
2. Explain the opportunity of Entrepreneurship in Physiotherapy. Write a brief note on the Need, Advantages and Opportunities, Challenges and Barriers of the same.

Short essay

6X 10 = 60 Marks

3. Explain the method of ethical practice in clinical set up with suitable example.
4. List out any 5 primary responsibilities of the Physiotherapy manager and explain the same.
5. List out the adult learning theories and explain the advantages for the same.
6. Describe Attitude and its role in instructional technology.
7. Explain the Pedagogy in Physiotherapy Education.
8. Write a short essay on global standards in physiotherapy practice.



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Research Methodology & Biostatistics

QP CODE: T1020

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Draw neat labelled diagrams wherever necessary

Long Essay

2X20=40M

1. What is scientific journal? What is a critical review? Outline the steps involved in evaluating a research article. (3+3+14)
2. Explain types of study design in research with examples.
How to decide the study design for a research? (12+8)

Short Essay

6X10=60M

3. Explain the assumptions and variables in ANOVA test. Add a note on its purpose with suitable example? (5+5)
4. Explain at least 3 Methods of collecting survey data. Tabulate the advantages and disadvantages of 3 survey methods. (6+4)
5. What are the common mistakes during research dissemination?
Explain the 5 steps in creating a plan for research dissemination. (5+5)
6. What is not evidence? Explain the application of EBPP. (3+7)
7. Describe the Criteria to frame research question. Explain any 2 commonly used framework. (6+4)
8. Describe the need for sample size estimation. Explain sampling and non-sampling errors? (6+4)



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Basic Sciences Part -I

QP CODE: T1031

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LONG ESSAY

2 X 20 = 40 Marks

1. Describe ergonomic job analysis methods and awareness checklist of OSHA
2. Describe the dynamic stabilizers of the shoulder joint? Explain the pathomechanics of rotator cuff injury? (5+15 = 20)

SHORT ESSAY

6X 10 = 60 Marks

3. Explain ergonomic solution for the following ergonomic risks vibration & pressure, extreme temperature, work stress.
4. Explain the components of Occupational Health and Safety program.
5. Discuss best practices for fatigue risk management.
6. Describe the pathomechanics of ankle sprain
7. Describe the pathomechanics of gait deviations due to lower limb muscle weakness
8. Discuss the biomechanical properties of connective tissues