

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
M.P.T FIRST YEAR DEGREE EXAMINATIONS – MAY 2026**

PYSIOTHERAPEUTIC- I

PAPER- III

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write Essay on the following:

3 X 20 = 60

1. Explain the physiological basis of Functional Electrical Stimulation (FES) and mention its principles and applications in Physiotherapy.
2. What are Evoked Potentials? Classify the Evoked Potentials tests and describe the Upper Extremity Somatosensory Evoked Potential Testing.
3. Describe the production, physiological and therapeutic effects of Infrared Radiation Therapy in Physiotherapy.

Write short note on the following:

5 X 8 = 40

4. Electromyography Study in Sub-Acute Stage of Gullian Barre Syndrome Case.
5. Compare the Chronaxie and Rheobase relationship between partially Innervated and Denervated Muscle.
6. “F” Wave/ Response.
7. Beam Non-Uniformity Ratio (BNR) in Therapeutic Ultrasound.
8. TENS (Transcutaneous Electrical Nerve Stimulation) in Pregnancy.