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MASTER OF PHYSIOTHERAPY (MPTh)
EXAMINATION : NOVEMBER - 2025
SECOND YEAR

Subject: Applied Physiotherapeutics I (60101)

Date: 11/11/2025

Total Marks: 100

Time: 10.00 am to 1 .00 pm

SECTION – A

Q.1 Answer the following questions in detail. (Any 1 out of 2) (30)

- a. Explain Kinesiology of posture and gait with recent evidences on different tools of its assessment.

OR

- b. Explain energy transfer and energy expenditure at rest and activity with responses and adaptations of various systems to exercise and training

Q.2 Answer the following questions in detail. (Any 1 out of 2) (30)

- a. Explain Muscle plasticity in response to electrical stimulation and explain clinical Electro-physiological testing clinical interpretation of various neurological disorders

OR

- b. Explain various ergonomic assessment tools in community settings.

Q.3 Answer the following questions in Short. (Any 4 out of 5) (40)

- a. Explain movement analysis of sit to stand (osteokinematics and arthrokinematics)
- b. Enumerate any 4 fatigue assessment scales
- c. Explain exercise prescription for type 2 diabetes
- d. Explain EMG biofeedback for spinal cord injury
- e. Clinical examination of movement dysfunction of shoulder joint
