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Reg. No.....

Name.....

BACHELOR OF PHYSIOTHERAPY (B.P.T.) DEGREE EXAMINATION

APRIL 2025

Third Year

REHABILITATION MEDICINE AND BIOMECHANICS

(Prior to 2008 Admissions - Last and Final Special Mercy Chance)

Time : Three Hours

Maximum : 100 Marks

Section A

*Answer any **two** questions..*

Each question carries 20 marks.

1. A 35-year-old male sustained a traumatic spinal cord injury at T12 level following a road traffic accident. Discuss the long-term rehabilitation programme for this patient
2. A patient with stroke presents with communication difficulties and dependence in ADL. Discuss the principles of rehabilitation and team approach.
3. A patient with diabetic foot underwent above-knee amputation. Explain prosthetic prescription and gait training.

(2 × 20 = 40)

Section B

*Answer **all** questions.*

Each question carries 20 marks.

4. Discuss composition and resolution of forces with suitable clinical examples. (20)
5. Explain normal gait cycle and factors affecting gait. (20)
6. Write short notes on any **four** :
 - a. Centre of Gravity.
 - b. Anatomical Pulley.
 - c. Vocational Rehabilitation.
 - d. Base of Support.
 - e. Plantar Arches and their Functions
 - f. Explain the principles of Microwave Diathermy and discuss dosage parameters, indications and contraindications.

(4 × 5 = 20)

