

(3 Hours)

Total Marks: 80

N.B.: (1) Question no. 1 is compulsory.

(2) Answer any 3 out of remaining 5 questions.

(3) Figures on the right indicate full marks.

(4) Draw appropriate diagrams wherever necessary.

1. (a) What are the levels of amputation of lower Limb? 05
 (b) Define deformity? Compare congenital and acquired deformity. 05
 (c) Give the regional classification of orthosis. 05
 (d) Explain primary and secondary disabilities with examples. 05
2. (a) Explain Milwaukee brace in detail with neat diagram. 10
 (b) Explain the different phases of Rehabilitation for a paraplegic patient. 10
3. (a) Explain Barthel's Index for assessment of patients. 10
 (b) Explain the rehabilitation of lower limb amputation. 10
4. (a) What is Center of Gravity of body? How is it calculated? Explain the factors that affect the shift in COG. 10
 (b) Explain different types of Levers with anatomical examples. 10
5. (a) Explain any two applications of blood rheology. 10
 (b) Explain Facioscapulothoracic Dystrophy in detail. 10
6. Write short notes on (Any four) 20
 (a) Abnormal Spinal Curvatures
 (b) ASIA impairment scale
 (c) Newtonian and Non-Newtonian fluid
 (d) Preventive Rehabilitation
 (e) Parallel force system