

QP Code:104113

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Physical
Medicine & Rehabilitation (MD) November 2025**

**Paper IV – Physical Medicine and Rehabilitation Including Sports Medicine and
Recent Advances**

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (20)

1. Explain the various phases of normal gait, determinants of gait and Physiological Cost Index. Describe the classification of gait in Cerebral Palsy and the role of Observational and Quantitative gait analysis in the assessment and management of a child with spastic diplegia.

Short essays: (8x10=80)

2. Explain the role of nutrition in Sports for those with Spinal Cord Injury
3. Intrathecal baclofen
4. Stem cell therapy in spinal cord injury
5. CAD/CAM technology in orthotics manufacture
6. Functional MRI
7. Myoelectric prosthesis for hand
8. BIPAP
9. Management of Dystonia in a child with encephalitis
