

**PG Degree Regular/Supplementary Examinations in Physical Medicine & Rehabilitation (MD) January 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. Discuss the assessment and management of a patient with C8 ASIA C tetraplegia. Explain the mechanism of spasticity and describe the recent advances in the management of spasticity.

**Short essays: (8x10=80)**

2. Neuroplasticity in brain injury
3. Somatosensory evoked potentials
4. Diaphragmatic pacing
5. Vestibular rehabilitation
6. Role of 3D printing in rehabilitation
7. Wheelchair basketball
8. Principles of tendon transfer in Brachial Plexus injury
9. SPECT Imaging

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