

# **2012 Scheme**

**QP CODE: 412014**

**Reg. No.....**

**Fourth Year BPT Degree Supplementary Examinations January 2025**

**Physiotherapy in Clinical Neurology and Neurosurgery**

**Time: 3 Hours**

**Total 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*

**Essays: (2x14=28)**

1. Describe the clinical features of Duchenne Muscular Dystrophy (DMD). Explain the physiotherapy management of a 10-year-old DMD who is functionally fit to walk but has difficulty to climb stairs.
2. Describe the physiotherapy management of a 60-year-old man with right side hemiplegia with predominant weakness of right upper extremity with shoulder pain.

**Short essays: (4x8=32)**

3. Anesthetic foot: Causes, features and care for the same.
4. Physiotherapy management of a 45-year-old Motor Neuron Disease (MND) patient who has no difficulty to walk or climb the stairs.
5. Agnosia: Definition, types and features.
6. Rancho Los Amigos Scale in Traumatic Brain Injury.

**Answer briefly: (10x4=40)**

7. Clinical features of festinating gait.
8. Arnold Chiari malformation: Definition, and classifications.
9. What is medial medullary syndrome. Mention any four important features of the same.
10. Clinical relevance of primitive reflexes in pediatric neurological examination.
11. Cerebro Spinal Fluid (CSF) finding differences between acute pyogenic meningitis and viral meningitis.
12. Define Syringomyelia. Mention any four cardinal features of the same.
13. Classification of spinal cord tumors with examples.
14. What is pupillary light reaction. Mention the muscles supplied by the 3<sup>rd</sup> cranial nerve.
15. What is Tardy ulnar nerve palsy. Enumerate any four clinical features of the same.
16. What is neocerebellum. Mention any four clinical features of neocerebellar syndrome.

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