

**PHYSICAL MEDICINE & REHABILITATION**

PAPER-I

PMR/D/18/35/I

Time: 3 hours

Max. Marks:100

**Important Instructions:**

- *Attempt all questions in order.*
- *Each question carries 10 marks.*
- *Read the question carefully and answer to the point neatly and legibly.*
- *Do not leave any blank pages between two answers.*
- *Indicate the question number correctly for the answer in the margin space.*
- *Answer all the parts of a single question together.*
- *Start the answer to a question on a fresh page or leave adequate space between two answers.*
- *Draw table/diagrams/flowcharts wherever appropriate.*

**Write short notes on:**

1. What is meant by middle cerebral artery territory (MCA territory). Enumerate the disabilities caused by occlusion of branches of MCA. 6+4
2. Discuss stabilizers of knee joint, movements occurring and muscles responsible for those movements in knee joint. 3+2+5
3. Discuss the etiopathogenesis and clinical features of bronchiectasis. Outline approaches of pulmonary rehabilitation. (3+3)+4
4. Enumerate crystal arthropathies. Discuss their pharmacological management. 2+8
5. What is Interferential Therapy? Discuss its indication, contraindications & mode of application in a patient suffering from low back pain. 2+(3+2+3)
6. Define human speech. Discuss the process of normal speech production in human. 2+8
7. What are the physiological responses to exercise? What is DAPRE? 7+3
8. Discuss causes and management of spasticity in a 10-year-old spastic child. What is the recent advancement in the management process? (2+5)+3
9. Physiology of normal micturition. 10
10. What are the components of CBR? Discuss the priorities and challenges in implementing the CBR model in rehabilitation. 2+8

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