

PHYSICAL MEDICINE AND REHABILITATION

PAPER-IV

Time: 3 hours
Max. Marks:100

PMR/J/20/35/IV

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. Describe role of Transcranial Magnetic stimulation in stroke rehabilitation? Discuss indications, and limitations of this procedure. 5+5
2. What is Powered wheel chair based mobility? How does Sip and Puff access device works? 5+5
3. a) Students 't' test. 5+5
b) Calculation of sample size for research study.
4. Discuss the different ways in which you can develop tele-rehabilitation services. How can different technological (software and hardware) advances help in tele-rehabilitation. 5+5
5. Robotics devices are becoming popular in providing rehabilitation care. Discuss the different robotic devices used in PMR. 10
6. What kinds of benefits can be extended to the persons with disability under the Ayushman Bharat Yojna. 10
7. Describe the Indian Disability Evaluation and Assessment Scale (IDEAS) and its use in disability assessment. 10
8. What is Quad Coughing? What are recent trends of rehabilitation management in Swallowing dysfunctions? 5+5
9. Discuss the Indications for Intrathecal Baclofen Pump in patient with spinal cord injury. What are the long-term complications encountered in a patient with baclofen pump? 5+5
10. Discuss the rehabilitation plan of a patient discharged after having Covid-19 illness, treated in the ICU on mechanical ventilation for 10 days. 10
