

PHYSICAL MEDICINE & REHABILITATION

PAPER – IV

Time : 3 hours
Max. Marks : 100

PMR/D/17/35 /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. Prescription criteria for motorized wheel chair with important considerations in different patients. 10
2. What are the important changes in Rights for Persons with Disability Act 2016 in comparison to PWD Act 1995? 10
3. Role of 3D printing in PMR. 10
4. Different types of Robotic Devices available in the field of Physical Medicine and Rehabilitation. 10
5. Role of stem cell therapy in spinal cord injury recovery and rehabilitation. 10
6. What are the principles and tools for evaluation of mental disorders and Autism for certification of disability? 10
7. Describe the guidelines for architectural modifications needed in kitchen and toilet areas at home for a wheel chair user? 10
8. Describe a flexible socket for above knee prosthesis. What are its advantages and disadvantages? 10
9. Role of biologicals in management of rheumatoid arthritis. 10
10. Recent advances in gait evaluation software and hardware technologies. 10
