

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:

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| 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 |
