

**PHYSICAL MEDICINE & REHABILITATION**

PAPER-IV

Time: 3 hours  
Max. Marks:100

PMR/J/19/35/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. Laboratory investigation for tuberculosis. 10
2. Denosumab and Bisphosphonates in osteoporosis. 5+5
3. Robotics in Rehabilitation – Potential Areas and future implications. 10
4. Highlights of the Right of Person with Disability Act, 2016. 10
5. Dietary and Vaccination recommendations for chronically ill patients with reduced cardiopulmonary function. 5+5
6. Instrumental Gait Analysis. 10
7. Multiple Regression Analysis. 10
8. Intelligent Prosthesis. 10
9. Tethered Cord Syndrome. 10
10. Disability evaluation in a person with spinal deformity. 10

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