

**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:**

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| 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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