

PHYSICAL MEDICINE & REHABILITATION

PAPER-IV

PMR/D/18/35/IV

Time: 3 hours
Max. Marks:100

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. Thought controlled prosthesis. 10
2. Role of robotic assisted therapy for the rehabilitation of stroke survivors. 10
3. Role of caregivers in spinal cord injury patients. 10
4. Role of biologicals in management of ankylosing spondylitis. 10
5. a) Objectives of Deen Dayal Rehabilitation Scheme (DDRS 2018). 2+8
b) ADIP scheme.
6. Discuss the deformities of a "Rheumatoid hand" and their orthotic management. 6+4
7. Discuss different types of ankle-foot orthosis (AFO), their indications and contraindications. 4+3+3
8. Biological markers in osteoarthritis. 10
9. a) Ozone discectomy in PIVD. 5+5
b) Vertebroplasty.
10. a) Dynamic posturography. 2+3+3+2
b) Radiological findings in relations to pathological changes in osteoarthritis of knee.
c) Platelet rich plasma therapy.
d) Degenerative nodal changes.
