

PHYSICAL MEDICINE AND REHABILITATION

PAPER – IV

PMR/D/15/35/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. Role of intra-thecal Baclofen in the management of spasticity. 10
2. Role of stem cells in rehabilitation. 10
3. (a) What is Robotic Gait Trainer? 3+7
(b) How is it useful in training patients with stroke?
4. Define autism. How would you diagnosis and manage such a child of 5 year of age? 2+(4+4)
5. Management of the compression fracture of D₁₂ vertebra in a 75 year old male without having any neurological deficit. 10
6. What are the broad provisions and proposed changes in the Bill related to the persons with disability? 10
7. How do the energy storing foot-ankle mechanism work? What are their indications? 8+2
8. Broad principles of counseling & its importance in PMR. 5+5
9. How does musculo-skeletal ultrasonography differ from the routine ultrasonography? In which areas & how has it been found to be useful in practice of PMR? 5+5
10. Advances in the socket designing of the transfemoral prosthesis. 10
