PHYSICAL MEDICINE AND REHABILITATION

PAPER - 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. a) Muscle tone
   b) Acute flaccid paralysis

2. a) Basic features of normal Calcium metabolism
   b) Differences between Osteomalacia, Osteoporosis and Osteoarthritis

3. a) Basic features of normal nerve conduction
   b) Myoneural - junction

4. a) Common causes of Nerve injuries
   b) Classification of Peripheral Nerve Injuries
   c) Wallerian degeneration

5. a) Stem cells
   b) Botulinum toxin

6. a) MRC grading of muscle strength
   b) Bronchopulmonary segments

7. Describe the pharmacological actions and role of following in PMR practice:
   a) NSAIDs
   b) Baclofen
   c) Diacerein

8. a) Platelet-rich Plasma injections in PMR practice
   b) Hyperbaric Oxygen therapy

9. a) Autonomic hyperreflexia
   b) Deep Vein Thrombosis

10. a) Discuss the physiology of balance and co-ordination.
    b) What are tremors? Discuss its causes. What are differentiating features of tremors?

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