

PHYSICAL MEDICINE AND REHABILITATION

PAPER – I

PMR/D/15/35/I

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:

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| 1. Adverse effects of immobility on the body. | 10 |
| 2. What is Cobb's angle? How is it measured? What are the implications of Cobb's angle on the management of the patient? | 2+4+4 |
| 3. What is DEXA scanning? How is it interpreted? How does it compare with other methods of evaluation of osteoporosis? | 2+4+4 |
| 4. Enumerate the drugs used in gout. Write their doses and side effects. | 2+8 |
| 5. Functions of hand. | 10 |
| 6. Patho-physiology of carpal tunnel syndrome and its conservative treatment. | 5+5 |
| 7. a) Vascular response to heat and cold.
b) Its indications/contraindications in PMR. | 5+5 |
| 8. a) Pain pathway.
b) Principle of TENS. | 5+5 |
| 9. Motor unit action potential | 10 |
| 10. Role of muscles in scapular stabilization. | 5+5 |
