PHYSICAL MEDICINE AND REHABILITATION

PAPER – 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:

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

   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

**********************

POSSESSION / USE OF CELL PHONES OR ANY SUCH ELECTRONIC GADGETS IS NOT PERMITTED INSIDE THE EXAMINATION HALL.