

PHYSICAL MEDICINE & REHABILITATION**PAPER-I**Time: 3 Hours
Max. Marks: 100

PMR/D/19/35/I

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. How is Brachial plexus formed, draw a labeled diagram also. 5+5
Write the presentation at common levels of injury to brachial plexus.
2. What are the indications and contraindications of heat therapy? (3+3)+(2+2)
What is the mode of action of action of Ultrasonography and Short Wave Diathermy?
3. Biomechanics of knee joint. 10
4. Bronchopulmonary segments and principles of postural drainage of lungs. 10
5. What is HLA B27? What is its clinical significance? 5+5
6. Discuss determinants of human gait. How do they help optimize energy while walking? 6+4
7. What is Motor Unit Action Potential? What are the changes observed in nerve injury? 5+5
8. ASIA impairment scale. 10
9. Write the X-ray findings in different stages of ankylosing spondylitis. 10
10. Calcium and Vitamin D metabolism. 5+5
