

PLASTIC SURGERY

PAPER-I

Time: 3 hours
Max. Marks: 100

PLS2/D/19/37/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. Describe the blood supply of the skin. What do you understand by angiosomes? What is its clinical significance? 4+2+4
2. Describe healing of a 5x5cm wound in front of elbow if left to heal by itself? What measures can you take to prevent scar hypertrophy? 5+5
3. Classify nerve injuries. What is the role of Nerve Conduction Velocity (NCV) in management of nerve injuries? 3+7
4. What are high voltage electrical burns? Discuss its initial management. What is the role of fasciotomy/escharotomy in such cases? 3+3+4
5. How do you classify muscle flaps? Describe the anatomy of Latissimus dorsi flap. Discuss its uses in reconstructive surgery. 3+3+4
6. Enumerate the muscles supplied by the radial nerve. How will you treat a patient with post injection radial nerve palsy? 3+7
7. Describe the anatomy of temporo-parietal fascia. What are its uses? 4+6
8. What is Osteo-integration? What are the principles of Osteo-integration? Discuss its clinical applications in relation to Plastic Surgery. 2+2+6
9. a) Outline various methods for assessing patency of free flaps. 5+5
b) What is super microsurgery? Discuss the clinical uses of super microsurgery.
10. What is the difference between disinfection and sterilization? What are the markers/ indicators of sterilization? 4+6

PHYSICAL MEDICINE & REHABILITATION

PAPER-I

Time: 3 Hours
Max. Marks: 100

PMR/D/19/35/I

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- Draw table/diagrams/flowcharts, wherever appropriate.

Write short notes on:

1. How is Brachial plexus formed, draw a labeled diagram also. Write the presentation at common levels of injury to brachial plexus. 5+5
2. What are the indications and contraindications of heat therapy? What is the mode of action of action of Ultrasonography and Short Wave Diathermy? (3+3)+(2+2)
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
