

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. 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
