

PLASTIC SURGERY

PAPER - III

PLS 2/D/13/37/III

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.

1. What are the responses of different tissues to mechanical skin expansion? Describe the basic principles of tissue expansion and its role in head and neck reconstruction. 4+3+3
2. How is Laser light different from ordinary light? How does Laser exert its clinical effect? Discuss the role of CO₂ Laser in plastic surgery. 2+3+5
3. Describe the correct position for splintage of burnt hand. Discuss the pathogenesis of post burn claw hand deformity. 4+6
4. Define tissue engineering. What are the essential components to engineer 3D tissue? Discuss current status with respect to specific tissue types. 2+4+4
5. Describe the clinical features of low median nerve palsy. Discuss the various tendon transfers to provide opposition to the thumb. 4+6
6. What are the features of ageing face and neck? Discuss the role of non surgical facial rejuvenation. 4+6
7. What are the methods of microvascular free flap monitoring? How is a flap with compromised vascularity managed? 5+5
8. Describe functional blood supply of anterior abdominal wall. Describe the steps of a standard abdominoplasty in a multiparous woman. 4+6
9. What are the principles of craniofacial distraction? Enumerate the types of distraction. Give few clinical indications for distraction of mandible. 4+2+4
10. What are the structural components of the nose considered for a cosmetic rhinoplasty? What are the operative sequence in a closed rhinoplasty for a broad nose with a dorsal hump and poor tip definition? 4+6
