

PLASTIC SURGERY

PAPER - I

PLS 2/D/13/37/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.

1. Describe and draw the various layers of skin. Enumerate the sequence of events during take of split thickness skin graft. 5+5
2. Define the terms osteoconduction and osteoinduction. What is a vascularized bone graft and discuss its role in mandibular reconstruction? (2+2)+(2+4)
3. Classify nerve injuries. Discuss the basic principles and techniques of nerve repair. 3+(4+3)
4. What is burn wound sepsis? Describe its various features and management. 2+(4+4)
5. Classify fasciocutaneous flaps with examples. What is a flow through flap? 7+3
6. What are the available synthetic / semi synthetic skin replacements? How are they used and mention their advantages or disadvantages? 3+(5+2)
7. Discuss the various alloplastic materials used in plastic surgery. What are polymers and how are they used as implants in surgery of the head and neck? 2+(3+5)
8. Discuss the design of advancement, transposition and rotation flaps. 3+4+3
9. Describe the vascular basis of the pectoralis major muscle and myocutaneous flap. What are the clinical uses of different variants of the pedicled pectoralis major flap? 4+6
10. Discuss various phases of skin wound healing and enumerate the factors responsible for delayed or incomplete healing of lower limb wounds. 4+6
