# PLASTIC SURGERY
## PAPER – 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.

**Write short notes on:**

| 1. | a) What is the principle of tissue expansion?  
|    | b) What are the physiological changes which occur in the tissues after using a tissue expander? | 3+7 |
| 2. | Describe with diagrams the geometry of:  
|    | Rotation flap  
|    | Transposition flap  
|    | Bilobed flap | 3+3+4 |
| 3. | a) What is the Jackson’s model of burn wound?  
|    | b) Enumerate types of burn injuries which need to be referred to a Burn Centre.  
|    | c) What are the differences in burns of children as compared to adults? | 3+4+3 |
| 4. | a) What are the factors which impair wound healing?  
|    | b) What are the factors which lead to graft loss? | 5+5 |
| 5. | a) What are biological dressings?  
|    | b) Advantages of application of biological dressings in Plastic Surgery practice.  
|    | c) Enumerate the different types of biological dressings. | 3+4+3 |
| 6. | a) How do you classify muscle flaps?  
|    | b) Draw diagrams of each type of muscle flap. Give two examples of each type. | 6+4 |
| 7. | a) Pathophysiology of a hypertrophic scar.  
|    | b) Clinical features of an immature scar, mature scar and a keloid. | 4+(2+2+2) |
| 8. | a) What is the reconstructive ladder?  
|    | b) How has it changed in the last decade?  
|    | c) What are the reasons for the change? | 4+3+3 |

*P.T.O.*
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10. a) Healing in bone after a fracture. b) How does tendon healing occur after repair? 5+5