

PLASTIC SURGERY

PAPER – I

PLS/J/15/37/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.

Write short notes on:

| | | |
|-----|--|---------|
| 1. | a) Draw a diagram to illustrate the principles of a Z plasty. b) Enumerate the modifications of the standard Z plasty. | 4+6 |
| 2. | a) Indications for tangential excision of thermal burn wounds, b) Its advantages and disadvantages, and c) Its application in a 50% mixed burn of the trunk and upper limbs. | 2+3+5 |
| 3. | a) Factors that impair normal wound healing. b) Enumerate the non surgical treatment options that help in healing of such wounds. | 5+5 |
| 4. | a) Enumerate non-biodegradable polymer biomaterials. b) What are the various forms of silicone implants and what are their uses? | 4+6 |
| 5. | a) Arterial supply of the skin of leg, knee and ankle. b) Enumerate the clinically relevant muscle flaps from the leg. | 5+5 |
| 6. | a) Name the methods and principles used in microvascular free flap monitoring. b) How you will salvage 'failing free flap'? | 4+6 |
| 7. | a) Describe with a labeled diagram the Intrinsic and extrinsic extensor tendons of the fingers. b) Treatment methods for a post traumatic Boutonniere deformity. | 5+5 |
| 8. | a) Methods of bone graft healing. b) Factors that influence the 'take' of non vascularized bone grafts. c) Bone morphogenic protein and its uses. | 4+4+2 |
| 9. | a) Commonly used local anaesthetics and their mode of application in reconstructive surgery. b) Their recommended dosages and features of their toxicity. | 6+4 |
| 10. | a) Types of basal cell carcinoma and their treatment options. b) Reconstructive options for a 1.5 cm recurrent basal cell carcinoma near the medial canthus of the eye. | (2+4)+4 |
