

**QP Code: 101507**

**Reg.No.:.....**

**M.Ch. (Plastic and Reconstructive Surgery) Degree Examinations  
July 2019**

**Paper I – Basic Sciences Relevant to Plastic Surgery**

**Time: 3 hrs**

**Max marks:100**

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

**Essay: (20)**

1. Describe flaps rotating about a pivot point. Discuss management of post electrical burn 8 x 8 cm soft tissue defect over parietal region of scalp with exposed bone.

**Short essays: (8x10=80)**

2. Describe compartment syndrome. Discuss treatment of compartment syndrome of leg.
3. Classify nerve injuries. Describe methods to measure degree of nerve regeneration after nerve repair.
4. Discuss various stages of wound healing. Describe hydrocolloid and hydrogel dressings.
5. Discuss anticoagulation in microsurgery.
6. Describe the principle, biomechanics and types of distraction. Discuss its applications in plastic surgery.
7. Discuss anatomy of digital nerve. Discuss different techniques of digital block.
8. Define keloid and differentiate keloid from hypertrophic scar. Discuss non-surgical treatment of keloid
9. Discuss optimal time for early surgical excision of the burn wound. Describe different techniques for excision of burn wound.

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