

Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – JULY 2016

Time: Three Hours**Max. Marks: 100 Marks****Plastic Surgery - PAPER – II****QP Code: 9152**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY (These questions carry 10 marks each)**10 x 10 = 100 Marks**

1. Describe the microanatomy and histochemistry of bone. Discuss healing of fractures. Discuss briefly the clinical applications of bone transfer.
2. Discuss the pathophysiology of flap failure. Discuss the various manipulations for augmentation, of pedicled and free flap viability.
3. Describe in detail the prerequisites, surgical steps and rehabilitation of staged tendon reconstruction in flexor tendon injury.
4. Classify post-burn web contractures of fingers. Discuss diagrammatically the various reconstructive options in treatment of web contractures.
5. Discuss classification, stages of Melanoma and principles of surgical management.
6. Discuss the principles of tissue expansion. Discuss the use of tissue expansion in breast reconstruction after mastectomy.
7. Explain the terms reconstructive triangle, reconstructive ladder and reconstructive escalator. Discuss the Mathes Nahai classification of muscle and musculocutaneous flaps with examples.
8. Discuss the contribution of Shri Noshir Antia to plastic surgery. Write notes on nasal reconstruction in Hansen's disease.
9. Discuss free functioning muscle transfers. Discuss the choice of donor motor nerve, surgical technique of free functioning muscle transfer for finger flexion in a preganglionic global plexus injury.
10. Discuss the different approaches to the temporo-mandibular joint. Briefly discuss TMJ ankylosis and its management.

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