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MANIPAL ACADEMY OF HIGHER EDUCATION

M.Ch. (PLASTIC & RECONSTRUCTIVE SURGERY) DEGREE EXAMINATION – DECEMBER 2023

SUBJECT: PAPER I

Monday, December 11, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essay:**

1. List the aetiological factors of orbital fractures. Discuss the pathophysiology and management of orbital fractures.

(15 marks)

2. Describe the anatomy, histology and physiology of tendon and pathology of tendon healing. Describe the indications and techniques of tendon grafting. Write a note on Littlers transfer for claw correction

(15 marks)

3. **Short Essay:**

3A. Mastopexy complications

3B. Nipple areola reconstruction

3C. Angle's classification of occlusion and management of maxillary prognathism.

3D. Biological effects of radiation and its surgical considerations.

3E. Surgical management of vitiligo

3F. Omentum in reconstructive surgery

3G. Difficult intubation.

3H. Congenital anomalies of thumb.

3I. Triangular flap Technique in cleft lip

3J. Lateral Arm Flap

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

M.Ch. (PLASTIC & RECONSTRUCTIVE SURGERY) DEGREE EXAMINATION – DECEMBER 2023

SUBJECT: PAPER II
Tuesday, December 12, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essay:**

1. Discuss the diagnosis and evaluation of Velo Pharyngeal incompetence (VPI). Discuss in detail customized surgery for the various causes of VPI.
(15 marks)

2. Describe the anatomy of “Ulnar Nerve”, what is the clinical basis of development of “claw hand” in leprosy.
(15 marks)

3. **Short Essay:**

- 3A. Interdomal sutures in nose
- 3B. Constricted ear
- 3C. Laser for vascular malformations
- 3D. Mandibular distraction
- 3E. Middle ear disease in cleft palate
- 3F. Fetal surgery
- 3G. Blepharoplasty
- 3H. Male to female gender dysphoria
- 3I. Burkhalters Opponensolplasty
- 3J. Microtia

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

M.Ch. (PLASTIC & RECONSTRUCTIVE SURGERY) DEGREE EXAMINATION – DECEMBER 2023

SUBJECT: PAPER III

Wednesday, December 13, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essay:**

1. Describe the pathophysiology, assessment and resuscitation of acute electrical burn patient. Describe the specific management of electrical burns of the upper limb.

(15 marks)

2. Discuss the embryology of Hypospadias. Mention the various procedures used to reconstruct the various types of hypospadias. Discuss the procedure of Asopas technique for correction of a midpenile hypospadias and its complications.

(15 marks)

3. **Short Essay:**

3A. Primary versus synthetic repair of abdominal wall repair

3B. Classify vascular anomalies, mention the pathogenesis and clinical features.

3C. 2nd toe transfer

3D. Hair transplantation.

3E. Couplers in microsurgery

3F. Mallet finger

3G. Heberden's Nodes

3H. Presternal keloid

3I. Temporalis Muscle transfer For lid closure in facial nerve palsy

3J. V-Y Plasty

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

M.Ch. (PLASTIC & RECONSTRUCTIVE SURGERY) DEGREE EXAMINATION – DECEMBER 2023

SUBJECT: PAPER IV

Thursday, December 14, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essay:**

1. Describe the principles of Lasers. What are its uses in Plastic Surgery?

(15 marks)

2. Acute Management of burns

(15 marks)

3. **Short Essay:**

3A. Super wet technique of liposuction

3B. Clasped Thumb Deformity

3C. Endoscopes in Plastic Surgery

3D. Tatoo Removal

3E. Theories of Cleft Lip and Palate

3F. What are the signs of aging?

3G. Slings in facial Nerve palsy

3H. Regional Anaesthesia in upper Limb

3I. Thread Lift

3J. Robotics in Plastic Surgery

(7 marks × 10 = 70 marks)

