

Reg. No.

MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER I: BASIC SCIENCES RELATED OTOLARYNGOLOGY

Tuesday, April 02, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL questions. Draw neat-labeled diagrams/flow charts wherever necessary.

1. Discuss the surgical anatomy of lateral skull base.

(20 marks)

2. Short essay questions:

- 2A. Cochlear microphonics
- 2B. Mucociliary clearance mechanism
- 2C. Theories of phonation
- 2D. Fossa of Rosenmuller
- 2E. Allergy tests
- 2F. Itraconazole
- 2G. Brachytherapy
- 2H. Brain stem evoked response audiometry

(10×8 = 80 marks)



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MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER II: PRINCIPLES AND PRACTICES OF OTOLARYNGOLOGY

Wednesday, April 03, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL questions. Draw neat-labeled diagrams/flow charts wherever necessary.

1. Discuss the differential diagnosis and management of peripheral vestibular vertigo.

(20 marks)

2. **Short essay questions:**

2A. Pathology of rhinosporidiosis

2B. Allergic fungal rhinosinusitis

2C. Tuberculous otitis media

2D. Exostosis of external auditory canal

2E. CT Imaging of temporal bone

2F. Guerin fracture

2G. Surgery for frontal sinusitis

2H. Management of CSF rhinorrhea

(10×8 = 80 marks)



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MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER III: RECENT ADVANCES IN OTOLARYNGOLOGY AND HEAD NECK SURGERY

Thursday, April 04, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL questions. Draw neat-labeled diagrams/flow charts wherever necessary.

1. Discuss the recent trends in cochlear implant surgery.

(20 marks)

2. **Short essay questions:**

2A. Laryngeal transplantation

2B. Application of robotic surgery in head and neck surgery

2C. Sentinel lymph node biopsy

2D. Use of Navigation system for endoscopic sinus surgery

2E. Gene therapy

2F. Endoscopic dacryocystorhinostomy

2G. Micro-vascular reconstruction for surgical defects in oral cavity

2H. Stem cells

(10×8 = 80 marks)



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MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER IV: GENERAL SURGICAL PRINCIPLES AND HEAD NECK SURGERY

Friday, April 05, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL questions. Draw neat-labeled diagrams/flow charts wherever necessary.

1. Discuss the evaluation and management of a 3-year-old child presenting with stridor of 3 days duration.

(20 marks)

2. **Short essay questions:**

- 2A. Factors affecting wound healing
- 2B. Monofilament suture materials
- 2C. Achylasia cardia
- 2D. Management of T3N1Mx malignancy of pyriform fossa
- 2E. Complications of tracheostomy
- 2F. Retropharyngeal abscess
- 2G. Oral sub-mucous fibrosis
- 2H. Type-I thyroplasty

(10×8 = 80 marks)

