

MANIPAL ACADEMY OF HIGHER EDUCATION
MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – JUNE 2020
SUBJECT: PAPER I: BASIC SCIENCES RELATED OTOLARYNGOLOGY

Wednesday, June 03, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay:**

1. Enumerate the deep neck spaces. Describe using diagram the surgical anatomy of parapharyngeal space.

(15 marks)

2. Enumerate the functions of larynx. Describe the mechanism and theories of phonation.

(15 marks)

3. **Write short notes on:**

3A. Non sedative antihistamines

3B. Ventilatory anatomy of middle ear cleft

3C. Gustatory pathway

3D. Informed consent

3E. Otoacoustic emissions

3F. Tests for parathyroid function

3G. Development of paranasal sinuses

3H. Retrovirus

3I. Frontal recess

3J. Type IV hypersensitivity reaction

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – JUNE 2020
SUBJECT: PAPER II: PRINCIPLES AND PRACTICES OF OTOLARYNGOLOGY

Thursday, June 04, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Describe briefly the various surgical approaches to the frontal sinus. (15 marks)

2. Discuss the clinical features and management of Meniere's disease. (15 marks)

3. **Write short notes on:**

3A. Acoustic trauma

3B. Rhinitis sicca

3C. Lop ear

3D. Cottle's Maxilla-premaxilla approach

3E. Eczematous otitis externa

3F. Nasal myiasis

3G. Vestibular neuronitis

3H. History of surgery for otosclerosis

3I. Orbital blow-out fracture

3J. Management of bifid nose

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION**MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – JUNE 2020****SUBJECT: PAPER III: RECENT ADVANCES IN OTOLARYNGOLOGY AND HEAD NECK SURGERY**

Friday, June 05, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss the recent trends in the management of obstructive sleep apnea syndrome. (15 marks)
2. Discuss the microvascular reconstruction options for major surgical defect following head and neck cancer surgery. (15 marks)

3. **Write short notes on:**

- 3A. Molecular basis of genesis of cancer
- 3B. Absorbable nasal packing
- 3C. Software advances in cochlear implant device
- 3D. Management of sulcus vocalis
- 3E. Linac radiosurgery
- 3F. Scintigraphy in ENT
- 3G. Endoscopic modified Lotrop procedure
- 3H. Management option for sleep apnoea
- 3I. Eustachian tuboplasty
- 3J. Middle ear endoscopy

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – JUNE 2020

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

Saturday, June 06, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

1. Discuss the etiopathology and management of malignant salivary gland tumours. (15 marks)

2. Discuss the etiopathology and management of aspiration. (15 marks)

3. **Write short notes on:**

3A. Hazards of blood transfusion

3B. Occult primary

3C. Near total laryngectomy

3D. Esophageal foreign body

3E. Thyroglossal cyst

3F. Papillary carcinoma thyroid

3G. Congenital anomalies of the Larynx

3H. Carotid body tumour

3I. Pharyngeal diverticulum

3J. Sentinel node

(7 marks × 10 = 70 marks)

