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MANIPAL ACADEMY OF HIGHER EDUCATION

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – NOVEMBER 2025

PAPER I

Monday, November 10, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Draw neat-labeled diagrams/ flow charts wherever necessary.**

1. Surgical anatomy of infratemporal fossa.
2. Intrinsic muscles of larynx.
3. Short Increment Sensitivity Index.
4. p53 gene.
5. Mucociliary clearance of the paranasal sinuses.
6. Uses of dexamethasone in ENT practice.
7. Development of nose.
8. Physiology of semicircular canals.
9. Surgical anatomy of thyroid gland.
10. Cisplatin.

(10 marks × 10 = 100 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – NOVEMBER 2025
PAPER II

Tuesday, November 11, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Investigations for Auditory Neuropathy Spectrum Disorder.
2. Developmental anomalies of the external ear.
3. Management of choana atresia.
4. Management of Meniere's disease.
5. Complications of tympanoplasty.
6. Bone- conduction Hearing Devices.
7. Surgical management of Cerebro-Spinal Fluid rhinorrhea.
8. Investigations for Obstructive Sleep Apnea.
9. Management of Allergic Fungal Rhinosinusitis.
10. Le Forte fractures.

(10 marks × 10 = 100 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – NOVEMBER 2025
PAPER III

Wednesday, November 12, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Bevacizumab in ENT.
2. Diagnosis and management of HPV positive oropharyngeal carcinoma.
3. Proton beam therapy.
4. Botulinum toxin in laryngeal and pharyngeal diseases.
5. Minimally invasive thyroid surgery.
6. Functional endoscopic evaluation of swallowing.
7. Coblation in ENT.
8. Sialoendoscopy -Principles and practice.
9. ENT manifestations of COVID -19.
10. Rehabilitative options for single sided profound deafness.

(10 marks × 10 = 100 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – NOVEMBER 2025
PAPER IV

Thursday, November 13, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Draw neat-labeled diagrams/ flow charts wherever necessary.**

1. Cyberknife for head and neck tumours.
2. Technique of harvesting, advantages and disadvantages of pectoralis major myocutaneous flap in head and neck reconstruction.
3. Classify odontogenic tumors of mandible. Discuss the clinical presentation and management of ameloblastoma.
4. Voice rehabilitation after laryngectomy.
5. Clinical features and management of carcinoma of maxilla.
6. Management of a case with secondaries in neck with unknown primary.
7. Complications of Tracheostomy.
8. Premalignant conditions of upper aerodigestive tract.
9. Radial forearm free flap.
10. Endoscopic thyroid surgery.

(10 marks × 10 = 100 marks)

