

Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION
MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – JANUARY 2025
(REGULAR)
PAPER I

Tuesday, January 14, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

 **Answer ALL the questions.**

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

1. Types and clinical uses of Oto Acoustic Emission.
2. Endoscopic anatomy of posterior mesotympanic spaces.
3. Internal nasal valve -anatomy and clinical importance
4. Relations of sphenoid sinus
5. Pharyngeal phase of deglutition -physiology and clinical relevance
6. Anatomical anomalies of Inner ear
7. Eustachian tube anatomy and function
8. Amphotericin B
9. Septicaemia -diagnosis and management
10. Adaptive immunity

(10 marks × 10 = 100 marks)



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

Wednesday, January 15, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

 **Answer ALL the questions.**

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

1. Discuss the different types of prosthesis in otology, its advantages and disadvantages.
2. Describe the pathogenesis, clinical features and management of otic barotrauma.
3. Discuss the indication, advantages and disadvantages of endoscopes in otology
4. Clinical applications of Auditory Brainstem Response
5. Discuss the histopathology, medical and surgical management of Meniere's disease
6. Discuss the etiology, clinical features, and management of Aesthesioneuroblastoma
7. Write in details about principles and techniques of rhinoplasty
8. Ringertz tumor
9. Principles and techniques of immunotherapy in rhinology
10. Discuss the etiology, clinical features, diagnosis and management of choanal atresia

(10 marks × 10 = 100 marks)



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

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

Thursday, January 16, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

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

1. Application of Dynamic Magnetic Resonance Imaging in ENT
2. Advantages and disadvantages of using endoscopes in ear surgeries
3. Balloon dilatation of Eustachian tube
4. Tomotherapy
5. Fiberoptic Endoscopic Evaluation of Swallowing
6. Coblator assisted intracapsular tonsillectomy
7. Applications of Gene therapy in ENT
8. Biologics in the treatment of allergic rhinitis
9. Application of 3D printing in the reconstruction of facial bones.
10. Role of Artificial Intelligence in ENT practice

(10 marks × 10 = 100 marks)



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

Friday, January 17, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

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

1. Fibreoptic endoscopic evaluation of swallowing.
2. Laryngomalacia- Etiopathology and its surgical management.
3. Occult neck node
4. Role of frozen section in head and neck malignancy
5. Premalignant lesions of the oral cavity
6. Cisplatin
7. Radial forearm free flap
8. Hyperfractionated radiotherapy
9. Human papilloma virus
10. Esophagoscopy

(10 marks × 10 = 100 marks)

