

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2018

SUBJECT: PAPER I: BASIC SCIENCES RELATED OTOLARYNGOLOGY

Monday, April 02, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay:**

1. Discuss the macroscopic and microscopic anatomy of the thyroid gland. Briefly describe the investigations done to assess thyroid function.

(15 marks)

2. Discuss the basic mechanism of early and late allergic responses in humans. Enumerate the various tests done to assess nasal allergy.

(15 marks)

3. **Write short notes on:**

3A. Cell cycle specific chemotherapy

3B. Interpretation of Brain stem evoked response audiogram

3C. Fossa of Rosenmuller

3D. Stem cells

3E. Impact factor of a journal

3F. Lymphatic drainage of larynx

3G. Development and pneumatisation of mastoid

3H. Killian's dehiscence

3I. Principle of caloric test

3J. Selective oncolytic virus

(7 marks × 10 = 70 marks)



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MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2018
SUBJECT: PAPER II: PRINCIPLES AND PRACTICES OF OTOLARYNGOLOGY

Tuesday, April 03, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays.**

1. Describe the surgical approaches to the infra-temporal fossa. (15 marks)

2. Discuss the differential diagnosis and management of unilateral sudden sensori-neural hearing loss in a 40-year-old male. (15 marks)

3. **Write short notes on:**

3A. Management of paroxysmal positional vertigo

3B. Etiopathogenesis of acute coalescent mastoiditis

3C. Collaural fistula

3D. Aesthetic rhinoplasty

3E. Programmable hearing aid

3F. Endoscopic sphenopalatine artery clipping

3G. Recruitment

3H. Skin tests for nasal allergy

3I. Management of CSF rhinorrhoea

3J. Lupus vulgaris of the nose

(7 marks × 10 = 70 marks)



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MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2018

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

Wednesday, April 04, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss the use of LASER in ENT.

(15 marks)

2. Applications of stereotactic radiosurgery in ENT.

(15 marks)

3. **Write short notes on:**

3A. Botulinum toxin

3B. Narrow band imaging

3C. PROVOX voice prosthesis

3D. Otoendoscopy

3E. Vestibular evoked myogenic potential

3F. Video-strobokymography

3G. Single photon emission computed tomography (SPECT)

3H. Tumour markers

3I. Endoscopic neck dissection

3J. Uses of coblation in ENT

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION**MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2018****SUBJECT: PAPER IV: GENERAL SURGICAL PRINCIPLES AND HEAD – NECK SURGERY**

Thursday, April 05, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long essay question:**

1. Discuss differentiated thyroid neoplasms and their management.

(15 marks)

2. Describe in detail voice evaluation in a dysphonic patient.

(15 marks)

3. **Write short notes on:**

3A. Chylous fistula

3B. Total parenteral nutrition

3C. Functional neck dissection

3D. Spasmodic dysphonia

3E. Tracheo-bronchial foreign body

3F. Zenker's diverticulum

3G. Sialolithiasis

3H. Mucoepidermoid tumour

3I. Inverted papilloma

3J. Ludwig's angina

(7 marks × 10 = 70 marks)

