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MANIPAL ACADEMY OF HIGHER EDUCATION MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – MAY 2021 PAPER I

Monday, May 03, 2021

Time: 14:00 – 17:00 Hrs. Max. Marks: 100

- Answer ALL the questions.
- ✓ Draw neat-labeled diagrams/ flow charts wherever necessary.
- ∠ Long essay questions:
- What is middle ear cleft? Describe the surgical anatomy and importance of sinus tympani and facial recess.

(15 marks)

Discuss the basic mechanism of deglutition. Enumerate the various tests done to assess swallowing.

(15 marks)

- 3. Short essay questions:
- 3A. Itraconazole
- 3B. Merits and demerits of pure tone audiometry
- 3C. Mucous blanket
- 3D. Stem cells
- 3E. Immunoglobulin E
- 3F. Klebsiella rhinoscleromatis
- 3G. Functions of Eustachian tube
- 3H. Superior laryngeal nerve
- 3I. Care of patient during radiotherapy
- 3J. Broncho-pulmonary segments

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MANIPAL ACADEMY OF HIGHER EDUCATION MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – MAY 2021 PAPER II

Tuesday, May 04, 2021

Time	e: 14:00 – 17:00 Hrs.	Max. Marks: 100
Ø	Answer ALL the questions. Draw neat-labeled diagrams/ flow charts wherever necessary.	
Ø	Draw heat-labeled diagrams/ flow charts wherever necessary.	
Ø.	Long essay questions:	
1.	Discuss the management of acoustic neuroma.	
		(15 marks)
2.	Describe the etiology, clinical features and management of atrophic rhinitis	s.
		(15 marks)
3.	Short essay questions:	
3A.	Orbital complications of sinusitis	

- 3B. Sudden sensorineural hearing loss
- 3C. Rhinoscleroma
- 3D. Congenital cholesteatoma
- 3E. Nasal myasis
- 3F. Perilymph fistula
- 3G. Endoscopic DCR
- 3H. Tip rhinoplasty
- 3I. Presbyacusis
- 3J. Ramsey-Hunt syndrome

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MANIPAL ACADEMY OF HIGHER EDUCATION MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – MAY 2021 PAPER III

Wednesday, May 05, 2021

Time: 14:00 – 17:00 Hrs. Max. Marks: 100

- Answer ALL the questions.
- ∠ Long essay questions:
- 1. Discuss the recent trends in the management of laryngotracheal stenosis.

(15 marks)

2. Discuss recent developments in the treatment of obstructive sleep apnea.

(15 marks)

- 3. Short essay questions:
- 3A. Endoscopic trans-nasal hypophysectomy
- 3B. Minimally invasive thyroid surgery
- 3C. Fully implantable hearing aid
- 3D. Role of botulinum toxin in ENT
- 3E. Therapeutic Sialendoscopy
- 3F. Scintigraphy in ENT
- 3G. Robotic neck dissection
- 3H. Neo-adjuvant chemotherapy
- 3I. Recent trends in stapes surgery
- 3J. Management of sulcus vocalis



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MANIPAL ACADEMY OF HIGHER EDUCATION MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – MAY 2021 PAPER IV

Thursday, May 06, 2021

Time: 14:00 – 17:00 Hrs. Max. Marks: 100

- Answer ALL the questions.
- ✓ Draw neat-labeled diagrams/ flow charts wherever necessary.
- ∠ Long essay questions:
- 1. Discuss the evaluation and management of a 63-year-old with progressive dysphagia of 3 months duration and hoarseness of 2 weeks duration.

(15 marks)

2. Discuss the complications of tonsillectomy and their management.

(15 marks)

- 3. Short essay questions:
- 3A. Factors favoring response to radiotherapy for head & neck malignancy
- 3B. Esophageal conduits for esophageal malignancy
- 3C. Etiopathology of pharyngeal pouch
- 3D. Management of metastatic cervical carcinoma of unknown primary
- 3E. Contact granuloma
- 3F. Complications of parapharyngeal abscess
- 3G. Epulis
- 3H. Management of T1N0Mx well differentiated carcinoma of the lateral border of the oral tongue
- 31. Pleomorphic adenoma of the parotid gland
- 3J. Tracheo-esophageal puncture