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HEALTH SCIENCES LIBRARY

## MANIPAL UNIVERSITY

### MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2009 SUBJECT: PAPER I: BASIC SCIENCES WITH AUDIOLOGY AND VESTIBULAR ASSESSMENTS

Wednesday, April 01, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Discuss the surgical anatomy of Waldeyer's ring and discuss its immunological functions.  
(30 marks)
  
2. **Write Short notes on:**
  - 2A. Superior mediastinum.
  - 2B. Corynebacterium diphtheria.
  - 2C. Uncinate process.
  - 2D. Impedance audiometry.
  - 2E. Gelle's test.
  - 2F. External Ear.
  - 2G. Anatomy and surgical importance of sphenoid sinus.

(10×7 = 70 marks)



**MANIPAL UNIVERSITY****MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2009****SUBJECT: PAPER II: OTOLOGY AND RHINOLOGY**

Thursday, April 02, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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**✍ Answer ALL the questions.**

1. Describe the etiology, clinical features and management of Meniers Disease.

(30 marks)

2. **Write Short notes on:**

2A. Ethmoidal Polyp.

2B. Meatoplasty.

2C. Rhinomanometry.

2D. Autoimmune hearing loss.

2E. Surgical Management of obstruction sleep apnoea.

2F. Saddle Nose.

2G. Ototoxicity.

(10×7 = 70 marks)



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MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2009

SUBJECT: PAPER III: PHARYNX, LARYNX, OESOPHAGUS, TRACHEOBRONCHIAL  
TREE AND HEAD AND NECK

Friday, April 03, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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✍ Answer ALL the questions.

1. Etiopathogenesis, clinical features, investigations and treatment of Zenker's diverticulum.

(30 marks)

2. Write short notes on:

2A. Crile

2B. Stuttering.

2C. Reinke's edema.

2D. Minitracheostomy.

2E. Warthin's tumor.

2F. Supra omohyoid neck dissection.

2G. Dentigerous cyst

(10×7 = 70 marks)



