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## MANIPAL UNIVERSITY

**MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2012**

**SUBJECT: PAPER I: BASIC SCIENCES WITH AUDIOLOGY AND VESTIBULAR ASSESSMENTS**

Monday, April 02, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

**☞ Answer ALL the questions.**

1. Discuss in detail the applied anatomy of oropharynx. Add a note on its development.

(30 marks)

2. **Write short notes on:**

- 2A. Sphenopalatine ganglion
- 2B. Blood supply of nasal septum
- 2C. Vestibular pathway
- 2D. Speech audiometry
- 2E. Nasal cycle
- 2F. Bronchopulmonary segments
- 2G. Hearing aid

(10×7 = 70 marks)



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## MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2012

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

Wednesday, April 04, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

**✍ Answer ALL the questions.**

1. Describe the etiology, clinical features and management of postcricoid malignancy.

(30 marks)

2. **Write Short notes on:**

2A. Esophageal atresia

2B. Oral submucous fibrosis

2C. White patch on tonsil

2D. Free radial forearm flap

2E. Supra omohyoid neck dissection

2F. Hyper fractionation in radiotherapy

2G. Bronchoscopy

(10×7 = 70 marks)



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## MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER IV: RECENT ADVANCES

Thursday, April 05, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

**Answer ALL the questions.**

1. Discuss in detail Craniofacial Resection.

(30 marks)

2. **Write Short notes on:**

2A. Vestibular evoked myogenic potential

2B. Auditory processing disorder

2C. Endoscopic thyroidectomy

2D. Intra operative facial nerve monitoring

2E. Mitomycin C

2F. PET CT

2G. Endoscopic septoplasty

(10×7 = 70 marks)

