

MANIPAL UNIVERSITY**MS (OTORHINOLARINGOLOGY) DEGREE EXAMINATION – APRIL 2007****SUBJECT: PAPER I: BASIC SCIENCES WITH AUDIOLOGY AND VESTIBULAR ASSESSMENTS**

Monday, April 02, 2007

Time: 3 Hrs.

Max. Marks: 100

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- ✍ Answer ALL the questions.**
 - ✍ Write answers that are brief, clear, relevant and legible.**
 - ✍ Illustrate your answers with neatly drawn and correctly labelled diagrams wherever appropriate.**

1. Discuss briefly the development of mucosal folds. Describe the anatomy of middle ear spaces and its applied importance.

(30 marks)

2. Write short notes on:
 - 2A. Foramen caecum.
 - 2B. Bronchopulmonary segment.
 - 2C. Waldeyer's ring.
 - 2D. Woodruff's Plexus.
 - 2E. Otoacoustic emissions.
 - 2F. Fossa of Rossemuller.
 - 2G. Dural venous sinuses.
 - 2H. Caloric test.
 - 2I. Parapharyngeal space.
 - 2J. Rhinomanometry.

(7 × 10 = 70 marks)

MANIPAL UNIVERSITY**MS (OTORHINOLARINGOLOGY) DEGREE EXAMINATION – APRIL 2007****SUBJECT: PAPER II: OTOLOGY AND RHINOLOGY**

Tuesday, April 03, 2007

Time: 3 Hrs.

Max. Marks: 100

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- ✍ **Answer all the questions.**
 - ✍ **Write answers that are brief, clear, relevant and legible.**
 - ✍ **Illustrate your answers with neatly drawn and correctly labelled diagrams wherever appropriate.**

1. Discuss in detail the etiopathogenesis, clinical features and management of glomus jugular tumour of middle ear.

(30 marks)

2. Write short notes on:
 - 2A. Etiopathology of otosclerosis
 - 2B. Lethal midline granuloma
 - 2C. Sluder's neuralgia
 - 2D. Rhinolalia clausa
 - 2E. Middle meatal antrostomy
 - 2F. Pathology of rhinosporidiosis
 - 2G. Mucormycosis
 - 2H. Tinnitus
 - 2I. Temporal bone fracture
 - 2J. Septal hematoma

(7 × 10 = 70 marks)

MANIPAL UNIVERSITY**MS (OTORHINOLARINGOLOGY) DEGREE EXAMINATION – APRIL 2007****SUBJECT: PAPER III: PHARYNX, LARYNX, OESOPHAGUS, TRACHEO BRONCHIAL TREE AND HEAD AND NECK**

Wednesday, April 04, 2007

Time: 3 Hrs.

Max. Marks: 100

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- ✍ Answer all the questions.**
 - ✍ Write answers that are brief, clear, relevant and legible.**
 - ✍ Illustrate your answers with neatly drawn and correctly labelled diagrams wherever appropriate.**

1. Discuss the etiopathology, clinical features and management of T3 laryngeal malignancy.

(30 marks)

2. Write short notes on:

2A. Thyroglossal cyst

2B. Vocal cord polyp

2C. Tracheoesophageal fistula

2D. Esophageal foreign body

2E. Decannulation

2F. TB laryngitis

2G. Selective neck dissection

2H. Trotter's triad

2I. Laryngococle

2J. Cervical rib

(7 × 10 = 70 marks)

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MANIPAL UNIVERSITY

MS (OTORHINOLARINGOLOGY) DEGREE EXAMINATION – APRIL 2007

SUBJECT: PAPER IV: RECENT ADVANCES

Thursday, April 05, 2007

Time: 3 Hrs.

Max. Marks: 100

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- ✍ **Answer all the questions**
 - ✍ **Write answers that are brief, clear, relevant and legible.**
 - ✍ **Illustrate your answers with neatly drawn and correctly labelled diagrams wherever appropriate.**

1. Describe the various types and recent developments in skull base surgery.

(30 marks)

2. Write short notes on:

2A. LAUPP

2B. Robotic surgery

2C. Partially implantable hearing aids

2D. Virtual endoscopy

2E. PET scan

2F. Gene therapy

2G. Balloon sinusotomy

2H. Titanium middle ear prosthesis

2I. Microdebrider

2J. Otoendoscopy

(7 × 10 = 70 marks)

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MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – OCTOBER 2007

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

Monday, October 01, 2007

Time: 3 Hrs.

Max. Marks: 100

Answer all the questions.

SECTION – A

1. Describe the anatomy of the pterygopalatine fossa. Mention its surgical importance.

(30 marks)

SECTION – B

2. Write short notes on:

2A. Pnuematization of mastoid.

2B. Stuttering.

2C. Killian's dehiscence.

2D. Left recurrent laryngeal nerve.

2E. Pathophysiology of wound healing.

2F. Thyroid cartilage.

2G. Ethmoidal labyrinth.

2H. HPV virus.

2I. Vestibular pathway.

2J. Embryology of inner ear.

(7×10 = 70 marks)

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MANIPAL UNIVERSITY**MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – OCTOBER 2007****SUBJECT: PAPER II: OTOLOGY AND RHINOLOGY**

Wednesday, October 03, 2007

Time: 3 Hrs.

Max. Marks: 100

ℵ **Answer all the questions.**

SECTION – A

1. Discuss the etiopathology, clinical features, complications and management of cholesteatoma.
(30 marks)

SECTION – B

2. Write short notes on:
- 2A. Cochlear otosclerosis.
 - 2B. Saddle nose.
 - 2C. Sudden sensori-neural hearing loss.
 - 2D. Choanal atresia.
 - 2E. Treatment of allergic rhinitis.
 - 2F. Management of ethmoidal polyp.
 - 2G. CSF Otorrhea.
 - 2H. Myiasis.
 - 2I. Management of soft tissue injuries of nose and face.
 - 2J. Inverted papilloma.

(7×10 = 70 marks)

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MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – OCTOBER 2007
SUBJECT: PAPER III: PHARYNX, LARYNX, OESOPHAGUS, TRACHEO BRONCHIAL
TREE AND HEAD AND NECK

Thursday, October 04, 2007

Time: 3 Hrs.

Max. Marks: 100

Answer all the questions.

SECTION – A

1. Discuss the etiopathology, clinical features and management of post cricoid carcinoma.

(30 marks)

SECTION – B

2. Write short notes on:

2A. Keratosis of the larynx.

2B. Cardiospasm.

2C. Branchial cyst.

2D. Juvenile laryngeal papillomatosis.

2E. Sulcus vocalis.

2F. Puberophonia.

2G. Gastroesophageal reflux disease.

2H. Tracheo-esophageal puncture.

2I. Modified radical neck dissection.

2J. Radioiodine scan.

(7×10 = 70 marks)

MANIPAL UNIVERSITY**MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – OCTOBER 2007****SUBJECT: PAPER IV: RECENT ADVANCES**

Friday, October 05, 2007

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer all the questions.**

SECTION – A

1. Management of terminally ill patients with head and neck cancers.

(30 marks)

SECTION – B

2. Write short notes on:
- 2A. Intra-arterial chemotherapy.
- 2B. Tracheal and oesophageal stents.
- 2C. Per cutaneous tracheostomy.
- 2D. Organ preservation protocol in head and neck cancer.
- 2E. Otoacoustic emission.
- 2F. Botulinum toxin in ENT.
- 2G. Mastoid cavity obliteration techniques.
- 2H. HIV manifestations in ENT.
- 2I. Laryngeal transplantation.
- 2J. Nd-Yag laser.

(7×10 = 70 marks)

