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MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2008

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

Tuesday, April 01, 2008

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.**

Part – A

1. Discuss in detail the physiology of phonation.

(30 marks)

Part – B

2. Write short notes on:
- 2A. Tuning fork tests for malingering.
 - 2B. Onodi cell.
 - 2C. Vestibulo-ocular reflex.
 - 2D. Cochlear microphonics.
 - 2E. IgE.
 - 2F. Pouches of Von Troeltsch.
 - 2G. Strap muscles.
 - 2H. Perilymph.
 - 2I. Vomeronasal organ.
 - 2J. Eddy currents.

(7×10 = 70 marks)

MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2008

SUBJECT: PAPER II: OTOLOGY AND RHINOLOGY

Wednesday, April 02, 2008

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.**

PART – A

1. Discuss the etiology, pathogenesis, clinical features and management of atrophic rhinitis.
(30 marks)

PART – B

2. Write short notes on:
 - 2A. Onlay Myringoplasty.
 - 2B. Ossicular tympanosclerosis.
 - 2C. Allergic fungal rhinosinosis.
 - 2D. Otomycosis.
 - 2E. Investigations in Meniere's disease.
 - 2F. Collaural fistula.
 - 2G. Pyramidal fracture of maxilla.
 - 2H. Cherubism.
 - 2I. Frontoethmoidal mucocoele.
 - 2J. Anterior craniofacial resection.

(7×10 = 70 marks)

MANIPAL UNIVERSITY**MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2008****SUBJECT: PAPER III: PHARYNX, LARYNX, OESOPHAGUS, TRACHEO BRONCHIAL
TREE AND HEAD AND NECK**

Thursday, April 03, 2008

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.**

Part – A

1. Discuss the rationale, prerequisites, indications and various types of conservation laryngeal surgery for malignancy of larynx.

(30 marks)

Part – B

2. Write short notes on:
 - 2A. Bronchial foreign body.
 - 2B. Cricopharyngeal spasm.
 - 2C. Metastatic cervical lymph node.
 - 2D. Dysphonia plica ventricularis.
 - 2E. Second primary.
 - 2F. Laryngomalacia.
 - 2G. Laser assisted uvulo palatoplasty.
 - 2H. Medullary thyroid carcinoma.
 - 2I. Carotid body tumour.
 - 2J. Acute retropharyngeal abscess.

(7×10 = 70 marks)

MANIPAL UNIVERSITY**MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2008****SUBJECT: PAPER IV: RECENT ADVANCES**

Friday, April 04, 2008

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 microvascular surgery with respect to free flaps used in the management of head and neck reconstruction.

(30 marks)

2. Write short notes on:

- 2A. Computer aided surgery for FESS.
- 2B. Radio frequency ablation surgeries.
- 2C. Microscopic parotidectomy.
- 2D. Endoscopic thyroidectomy.
- 2E. Implants used for tympanoplasty.
- 2F. Video kymography.
- 2G. Digital hearing aids.
- 2H. Lymphoscintigraphy for micrometastasis.
- 2I. Rhytidectomy.
- 2J. Re-innervation surgery for vocal cord palsy.

(7×10 = 70 marks)

Reg. No.

MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – OCTOBER 2008

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

Monday, October 06, 2008

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 anatomy of deep neck spaces with relevant diagram with reference to their surgical importance.

(30 marks)

2. Write short note on:

2A. Development of nasal septum and its anatomy

2B. BERA

2C. Laimer- Hackermann's space

2D. Immunoglobulins

2E. Middle meatus

2F. Geniculate ganglion

2G. Mc Ewan's triangle.

(10×7 = 70 marks)

Reg. No.

MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – OCTOBER 2008

SUBJECT: PAPER II: OTOLOGY AND RHINOLOGY

Tuesday, October 07, 2008

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 etiopathology, clinical features, complications and management of chronic sinusitis.

(30 marks)

2. Write short notes on:

2A. Exostosis of EAC

2B. Rosen

2C. Fibrous dysplasia

2D. Augmentation rhinoplasty

2E. Traumatic facial palsy

2F. Seroma

2G. Noise induced hearing loss.

(10×7 = 70 marks)

Reg. No.

MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – OCTOBER 2008

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

Thursday, October 09, 2008

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 indications, procedure and complications of classical radical neck dissection.

(30 marks)

2. Write short notes on:

2A. Ludwig's angina

2B. Pre-malignant lesions in the oral cavity

2C. Chevalier Jackson

2D. Blom-Singer Prosthesis

2E. Zenker's diverticulum

2F. Stroboscopy

2G. Laryngismus stridulus

(10×7 = 70 marks)

Reg. No.

MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – OCTOBER 2008

SUBJECT: PAPER IV: RECENT ADVANCES

Friday, October 10, 2008

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 use of LASER in ENT practice.

(30 marks)

2. Write short notes on:

- 2A. Endoscopic adenoidectomy
- 2B. Auditory brainstem implant
- 2C. Endoscopic dacryocystorhinostomy
- 2D. Indwelling voice prosthesis
- 2E. Coblation in ENT Surgery
- 2F. 3D CT reconstruction in ENT and head and neck
- 2G. Tumour markers.

(10×7 = 70 marks)

