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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MS (OTORHINOLARINGOLOGY) DEGREE EXAMINATION – JULY 2006

SUBJECT: PAPER I: BASIC SCIENCES

Monday, July 03, 2006

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 mechanism of sound conduction and perception.

(30 marks)

2A. Describe in detail the functions of the nose and paranasal sinuses.

2B. Describe the anatomy of the submandibular space.

(20+20 = 40 marks)

3. Write short notes on:

3A. Spaces of the larynx.

3B. Mechanism of voice production.

3C. Anatomy of the labyrinth.

3D. Electrocautery.

3E. Conioscopy.

(6×5 = 30 marks)

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MANIPAL ACADEMY OF HIGHER EDUCATION
(Deemed University)

MS (OTORHINOLARINGOLOGY) DEGREE EXAMINATION – JULY 2006

SUBJECT: PAPER II: DISEASES OF EAR, NOSE & THROAT

Tuesday, July 04, 2006

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 aetiopathology, clinical features and management of sinusitis in children.
(30 marks)

2A. Discuss the aetiology, clinical features and management of stridor in childhood.

2B. Discuss the aetiopathology, clinical features and management of retropharyngeal abscess.
(20+20 = 40 marks)

3. Write short notes on:

3A. Myringoplasty.

3B. Carcinoma of Oesophagus.

3C. Rhinitis Caseosa.

3D. Plunging ranula.

3E. Intra tympanic gentamicin.

(6×5 = 30 marks)

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MS (OTORHINOLARINGOLOGY) DEGREE EXAMINATION – JULY 2006**SUBJECT: PAPER III: ENT DISEASES**

Wednesday, July 05, 2006

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 differential diagnosis of granulomatous conditions affecting the larynx and outline their management.

(30 marks)

- 2A. Discuss the classification and management of mandibular fractures.

- 2B. Discuss the causes and management of CSF rhinorrhoea.

(20 +20 = 40 marks)

3. Write short notes on:

- 3A. Factors affecting wound healing.

- 3B. Hospital acquired infection.

- 3C. Tip rotation technique in rhinoplasty.

- 3D. Principles of endoscopic sinus surgery.

- 3E. Obstructive sleep apnoea syndrome.

(6×5 = 30 marks)



Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MS (OTORHINOLARINGOLOGY) DEGREE EXAMINATION – JULY 2006

SUBJECT: PAPER IV: DISEASES OF ENT INCLUDING RECENT ADVANCES

Thursday, July 06, 2006

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 recent advances in the management of cancer of the larynx.

(30 marks)

2A. Discuss the indications, technique and complications of medialization thyroplasty.

2B. Discuss the surgical approaches to the anterior skull base.

(20+20 = 40 marks)

3. Write short notes on:

3A. Role of endoscopic neurosurgery in otolaryngology.

3B. Recent trends in otoplasty.

3C. Rhytidectomy.

3D. Manifestation of AIDS in ENT.

3E. KTP- 532 laser.

(6×5 = 30 marks)

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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MS (OTORHINOLARINGOLOGY) DEGREE EXAMINATION – DECEMBER 2006

SUBJECT: PAPER I: BASIC SCIENCES

Monday, December 04, 2006

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 the submandibular space. Add a note on it's importance.

(30 marks)

2A. Discuss in detail the physiology of the nose and paranasal sinuses.

2B. Describe the mucosal folds and spaces of the middle ear and its surgical importance.

(20+20 = 40 marks)

3. Write short notes on:

3A. Fossa of Rosenmuller

3B. Rhinomanometry

3C. Recruitment

3D. Betahistine

3E. Paraglottis space.

(6×5 = 30 marks)

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MANIPAL ACADEMY OF HIGHER EDUCATION

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MS (OTORHINOLARINGOLOGY) DEGREE EXAMINATION – DECEMBER 2006

SUBJECT: PAPER II: DISEASES OF EAR, NOSE & THROAT

Tuesday, December 05, 2006

Time: 3 Hrs.

Max. Marks: 100

-
- ✍ **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 etiology, clinical features and management of stridor in childhood.

(30 marks)

2A. Discuss in detail the clinical features and management of lateral sinus thrombophlebitis.

2B. Discuss the etiopathogenesis, types, clinical features and management of atrophic rhinitis.

(20+20 = 40 marks)

3. Write short Notes:

3A. Presbycusis.

3B. Laryngomalacia.

3C. Choanal Atresia.

3D. Ludwig's angina.

3E. Posterior tympanotomy.

(6×5 = 30 marks)

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MS (OTORHINOLARINGOLOGY) DEGREE EXAMINATION – DECEMBER 2006**SUBJECT: PAPER III: ENT DISEASES**

Wednesday, December 06, 2006

Time: 3 Hrs.

Max. Marks: 100

-
- ✍ 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 in detail the etiopathogenesis, clinical features and management of benign positional vertigo.

(30 marks)

2A. Classify polyps. Discuss in detail the etiopathogenesis, clinical features and management of Antro Choanal Polyps.

2B. Discuss the various techniques of oromandibular reconstruction.

(20+20 = 40 marks)

3. Write short notes on:

3A. Parapharyngeal abscess.

3B. Glomus tympanium.

3C. Deviated nasal septum.

3D. Warthin's tumour.

3E. Acoustic trauma.

(6×5 = 30 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

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MS (OTORHINOLARINGOLOGY) DEGREE EXAMINATION – DECEMBER 2006

SUBJECT: PAPER IV: DISEASES OF ENT INCLUDING RECENT ADVANCES

Thursday, December 07, 2006

Time: 3 Hrs.

Max. Marks: 100

✍ 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 surgical approaches in the management of parapharyngeal tumours.
(30 marks)

2A. Discuss the indications, procedure and complications of functional endoscopic sinus surgery.

2B. Discuss the role of microdebriders in otorhinolaryngology.

(20+20 = 40 marks)

3. Write short notes on:

3A. Coblation.

3B. Modified Lothrop procedure.

3C. Interferons.

3D. Intensity modulated radiotherapy.

3E. Laryngopharyngeal reflux.

(6×5 = 30 marks)

