TO ***	
Reg. No.	
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MANIPAL ACADEMY OF HIGHER EDUCATION

PG DIPLOMA IN OTORHINOLARYNGOLOGY (DLO) EXAMINATION – APRIL 2019 SUBJECT: PAPER I: BASIC SCIENCES IN RELATION TO ENT

Tuesday, April 02, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- Answer ALL questions.
- Z Long essay question:
- 1. Describe the role of middle ear in hearing.

(15 marks)

2. What is ostio-meatal complex? Discuss the muco-ciliary clearance mechanism of nose and paranasal sinuses.

(15 marks)

- 3. Short essay questions:
- 3A. Fexofenadine
- 3B. Anatomy of infratemporal fossa
- 3C. Significance of cell cycle in chemotherapy
- 3D. Pre-epiglottic space
- 3E. Brachytherapy
- 3F. Vidian nerve
- 3G. Otoacoustic emissions
- 3H. Human papilloma virus
- 3I. Topo-diagnostic tests for lower motor neuron facial palsy
- 3J. Facial recess

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$



TO BY				
Reg. No.				

MANIPAL ACADEMY OF HIGHER EDUCATION

PG DIPLOMA IN OTORHINOLARYNGOLOGY (DLO) EXAMINATION – APRIL 2019 SUBJECT: PAPER II: OTO-RHINOLARYNGOLOGY AND NEURO-OTOLOGY

Wednesday, April 03, 2019

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- Draw neat-labeled diagrams / flow charts wherever necessary.
- ∠ Long essay question:
- 1. Discuss the causes of epistaxis. How will you manage a profuse bout of epistaxis in a 55-year-old male?

(15 marks)

2. Discuss the theories of genesis of cholesteatoma and outline its management.

(15 marks)

- 3. Short essay questions:
- 3A. Management of otogenic cerebellar abscess
- 3B. Clinical manifestations of malignant otitis externa
- 3C. Singular neurectomy
- 3D. Ossicular tympanosclerosis
- 3E. Planning and preparations for aesthetic rhinoplasty
- 3F. Endoscopic surgeries for chronic frontal sinusitis
- 3G. Trans-labyrinthine approach to acoustic neuroma
- 3H. Management of CSF rhinorrhoea
- 3I. Rhinitis medicamentosa
- 3J. Facial nerve monitoring

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$



Reg. No.		

MANIPAL ACADEMY OF HIGHER EDUCATION

PG DIPLOMA IN OTORHINOLARYNGOLOGY (DLO) EXAMINATION – APRIL 2019 SUBJECT: PAPER III: OTO-RHINOLARYNGOLOGY INCLUDING HEAD AND NECK ONCOLOGY AND ENDOSCOPY

Thursday, April 04, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- ≥ Long essay questions:
- 1. Discuss the management of intractable aspiration.

(15 marks)

2. Discuss briefly the various pre-malignant lesions of the head and neck.

(15 marks)

- 3. Write short notes on:
- 3A. Occult primary
- 3B. Paragangliomas
- 3C. Medullary carcinoma thyroid
- 3D. Reinke's edema
- 3E. Carotid blow-out
- 3F. Supraglottic laryngectomy
- 3G. Sarcoidosis of larynx
- 3H. Hemlich manoeuver
- 3I. Coniotomy
- 3J. Wound healing

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$