Reg.						

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2019 SUBJECT: PAPER I: BASIC SCIENCES RELATED OTOLARYNGOLOGY

Tuesday, April 02, 2019

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- Z Long Essay:
- 1. Discuss the anatomy of mucosal spaces and mucosal folds of middle ear with suitable diagrams.

(15 marks)

2. Describe the ultrastructure of nasal cilia and discuss the mucociliary clearance mechanism of paranasal sinuses.

(15 marks)

- 3. Write short notes on:
- 3A. Intranasal corticosteroids
- 3B. Interpretation of Electronystagmography
- 3C. Cerebello-pontine angle
- 3D. Evidence based medicine and its applications in ENT
- 3E. Restorative gene therapy
- 3F. Acoustic reflex
- 3G. Functions of Waldeyer's ring
- 3H. Rhinosporidium seeberi
- 3I. Microanatomy of the vocal cords
- 3J. Principle and uses of hyperbaric oxygen in ENT

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

Reg. No.		

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2019 SUBJECT: PAPER II: PRINCIPLES AND PRACTICES OF OTOLARYNGOLOGY

Wednesday, April 03, 2019

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- Z Long Essays.
- 1. Describe the clinical features, staging and management of juvenile nasopharyngeal angiofibroma.

(15 marks)

2. Discuss Wullstein's classification of tympanoplasty and describe various biomaterials used in ossiculoplasty.

(15 marks)

- 3. Write short notes on:
- 3A. Perilymph fistula
- 3B. Management of choanal atresia
- 3C. Hematoma auris
- 3D. Harold F. Schuknecht
- 3E. Kero's classification
- 3F. Rhinophyma
- 3G. Stennert Protocol
- 3H. Mastoid obliteration techniques
- 3I. Nasal bone fracture
- 3J. Management of vasomotor rhinitis

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

Reg. No.		

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION - APRIL 2019

SUBJECT: PAPER III: RECENT ADVANCES IN OTOLARYNGOLOGY AND HEAD NECK SURGERY

Thursday, April 04, 2019

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- Z Long Essays:
- 1. Discuss the recent trends in cochlear implant surgery.

(15 marks)

2. Discuss the use of navigation system for endoscopic sinus surgery and their limitations.

(15 marks)

- 3. Write short notes on:
- 3A. Gene Therapy
- 3B. Sestamibi scan
- 3C. Fully implantable hearing aid
- 3D. Photodynamic therapy
- 3E. Role of highly selective embolization for vascular lesions in ENT
- 3F. Recent trends in swallowing rehabilitation
- 3G. KTP 532 laser in ENT
- 3H. Virtual endoscopy
- 3I. Bone cement for ossicular reconstruction
- 3J. Video-kymography

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

Reg. No.	
----------	--

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION - APRIL 2019

SUBJECT: PAPER IV: GENERAL SURGICAL PRINCIPLES AND HEAD - NECK SURGERY

Friday, April 05, 2019

Time: 1	4:00 -	17:00	Hrs.
---------	--------	-------	------

Max. Marks: 100

- Answer ALL questions.
- **∠** Draw neat-labeled diagrams/ flow charts wherever necessary.
- ∠ Long essay question:
- 1. Discuss the clinical features and management of T3N1Mx post-cricoid malignancy in a 40-year-old female.

(15 marks)

2. Discuss the complications of superficial parotidectomy.

(15 marks)

- 3. Short essay questions:
- 3A. Factors affecting wound healing following major head & neck surgery
- 3B. Cricothyroidotomy
- 3C. Prevention and management of post-rigid esophagoscopy esophageal perforation
- 3D. Management of pharyngeal pouch
- 3E. Sulcus vocalis
- 3F. Lemierre's syndrome
- 3G. Surgical options for oral sub-mucous fibrosis
- 3H. Functional aphonia
- 3I. Fourth branchial pouch cyst
- 3J. Dysphagia lusoria

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

以 分 文