

OTORHINOLARYNGOLOGY

PAPER – I

Time : 3 hours
Max. Marks : 100

ENT/D/12/28/I

Attempt all questions in order.
Each question carries 10 marks.

1. Describe the mechanism of action, dosage and side effects of the use of Amphotericin B in invasive mycosis in Otorhinolaryngology. Describe lipid based formulations of Amphotericin B and their advantages. 5+5
2. Describe hyperbaric oxygen therapy and its role in Otorhinolaryngology. 5+5
3. Describe the pathogenesis, symptoms and management of Gastro-esophageal reflux disease. 3+2+5
4. What is Fiberoptic Endoscopic Evaluation of Swallowing (FEES)? Describe the procedure and the problems that can be identified with such a procedure. 3+(3+4)
5. What is "Difficult Airway"? Discuss in brief the options available for anesthetic management of "Difficult Airway". 4+6
6. Describe the etiopathogenesis of post laryngectomy pharyngo-cutaneous fistula. How will you manage a case of post laryngectomy pharyngo-cutaneous fistula? 4+6
7. Describe the concepts and technology involved in image guided surgery. 5+5
8. Describe the etiology, pathology, clinical presentation and management of branchial cysts. 2+3+2+3
9. Describe etiopathogenesis, symptoms, signs and management of temporo mandibular joint disorders. 2+1+1+6
10. Discuss 'Targetted chemotherapy' in head & neck. 10

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PAPER – II

Time : 3 hours
Max. Marks : 100

ENT/D/12/28/II

Attempt all questions in order.
Each question carries 10 marks.

1. Describe Distortion Product Otoacoustic Emissions (DPOAE). What is its clinical importance? 5+5
2. What is masking? What are the sounds used for masking? When should the ear be masked? 2+4+4
3. Discuss the principles & components of Bone Anchored Hearing Aids (BAHA). What are the indications for use of BAHA and complications of surgery for BAHA? (2+2)+(3+3)
4. What are the clinical features of a patient having superior semicircular canal dehiscence? How would you investigate and manage such a patient? 4+(3+3)
5. Enumerate the causes of facial palsy. How would you manage a patient with herpes zoster oticus? 6+4
6. Discuss the various surgical approaches to lateral skull base. 10
7. What are the common presenting features of nasopharyngeal carcinoma? What is Trotter's triad? What are the features of Jugular foramen syndrome? 4+3+3
8. Enumerate the causes of granulomas in nose. Describe investigations and treatment of Wegener's granulomatosis. 3+(3+4)
9. Discuss the surgical classification and management of laryngeal trauma. 5+5
10. Describe the procedure of percutaneous tracheostomy. What are its indications and advantages? 5+(2+3)

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PAPER – III

Time : 3 hours

Max. Marks : 100

ENT/D/12/28/III

Attempt all questions in order.

Each question carries 10 marks.

1. Enumerate the indications of esophagoscopy. Describe the precautions to be taken while doing this procedure and the management of esophageal perforation following esophagoscopy. 3+(3+4)
2. Enumerate the complications of stapedectomy. How will you evaluate and manage a case of perilymph fistula following stapedectomy. 3+(3+4)
3. Describe the principles, parts, clinical applications, advantages and disadvantages of the use of micro-debriders in ENT. 2x5
4. Describe the principles of microvascular free tissue transfer. Enumerate the various free flaps used in the reconstruction following head and neck surgery. Discuss in brief the indications and complications of free fibula flap. 3+3+4
5. Define ototoxicity. Enumerate different drugs causing ototoxicity and the mechanism by which they cause damage. How can you prevent ototoxicity? 2+(3+3)+2
6. Discuss in brief the role, indications and complications of use of CO₂ Laser in lesions of larynx. What are the current concepts of Laser surgery in laryngeal malignancies? (2+2+3)+3
7. Discuss the indications, technique and complications of medialisation thyroplasty. 3+4+3
8. Define and describe the procedure of radical neck dissection. What are its modifications? (3+4)+3
9. Describe the 'TNM' classifications of carcinoma maxilla as per AJCC. 10
10. What are the causes of CSF rhinorrhea? How do you investigate and treat such a case? 4+(3+3)

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PAPER – IV

Time : 3 hours
Max. Marks : 100

ENT/D/12/28/IV

Attempt all questions in order.
Each question carries 10 marks.

1. Describe the surgical anatomy of pterygopalatine fossa. Discuss in brief the surgical approaches to pterygopalatine fossa. 5+5
2. Describe the surgical anatomy of Internal Auditory Meatus (IAM). Discuss in brief the surgical approaches to IAM. 5+5
3. Describe the disposition of deep cervical fascia. Discuss in brief the evaluation and principles of management of deep neck space infections. 4+(3+3)
4. Describe theories of origin, staging and management of congenital cholesteatoma. 3+3+4
5. Describe the various ligaments, membranes and spaces of larynx and their importance in the malignancy of larynx. 2+2+2+4
6. Discuss the recent advances in the genetic basis of syndromic and non - syndromic congenital sensorineural hearing loss. 5+5
7. Describe the anatomical variations of uncinat process with the help of diagram. Mention its surgical significance. 6+4
8. Discuss the principles of auditory brainstem responses (ABR). Describe various waveforms of ABR and their clinical applications. 4+(3+3)
9. Classify the suture materials. Describe their advantages, disadvantages and use in Otorhinolaryngology surgical practice. 4+(2+2+2)
10. Describe the mucociliary transport pathways of the nose and paranasal sinuses with relevant diagrams. Discuss in brief the evolution of Functional Endoscopic Sinus Surgery (FESS). 6+4
