

OTORHINOLARYNGOLOGY (ENT)

PAPER- I

ENT/D/11/28/I

Time : 3 hours
Max. Marks : 100

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

Write short notes on:-

1. Describe etiopathogenesis of deep vein thrombosis. How do you diagnose and manage it? 3+3+4
2. What is hypercalcaemic crisis? Describe its pathophysiology, tumor association and management. 2+3+2+3
3. Describe the principles of Positron Emission Tomography (PET). What are its application in evaluation and management of Head and Neck malignancies? 5+5
4. Classify surgical wounds. What are the causes, risk factors and pathogens in wound sepsis? Enumerate measures for prevention and treatment of wound sepsis. 2+4+4
5. What are Radio-nuclides? Describe their role in imaging and therapeutic application in ENT. 2+4+4
6. How will you evaluate and manage a 50 year old male patient with solitary thyroid nodule? 3+7
7. What are tumor markers? Discuss their role in squamous cell carcinoma of Head and Neck. 4+6
8. What is Brachytherapy? Discuss the clinical application of Brachytherapy in Head and Neck malignancies. 4+6
9. Discuss the principles of Image Guided Surgery. What are the applications of Image Guided Surgery in ENT practice? What are the advantages of Image Guided Surgery? 4+3+3
10. What are the principles of Skull Base Surgery? Enumerate the major complications of Skull Base Surgery and discuss the recent developments in reducing these complications. 4+3+3

OTORHINOLARYNGOLOGY (ENT)

PAPER III

Time : 3 hours

ENT/D/11/28/III

Max Marks : 100

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

Write short notes on:-

1. What are ten cardinal features of Down Syndrome in newborn?
What is the treatment principle of craniofacial dysostosis? 6+4
2. Enumerate the causes of delayed post traumatic CSF rhinorrhea.
How will you evaluate and manage such a case? 4+3+3
3. Describe surgical anatomy of Cerebellopontine angle. Enumerate
its lesions and surgical approach to it. 4+2+4
4. What are the anatomical variations influencing the development of
rhino-sinusitis? Briefly discuss the evaluation and management of
non-invasive fungal sinusitis. 4+3+3
5. What are the difficult situations one can encounter during cochlear
implant surgery? Enumerate the complications of cochlear
implantation. 5+5
6. What are the different types of Lasers used in Otolaryngological
practice? What are the clinical applications and advantages of
Lasers in ENT practice? 5+3+2
7. Classify fascio-maxillary fractures. How will you assess and
manage them? 4+6
8. What is otitic barotrauma? Briefly discuss the etiopathogenesis,
evaluation and management of otitic barotrauma. 3+2+2+3
9. Enumerate distal axial flaps used in Head and Neck surgery.
Discuss techniques of pectoralis major myocutaneous flap. 4+6
10. Discuss technique, post-operative care and complications of
endoscopic trans-sphenoidal hypophysectomy. 4+3+3

OTORHINOLARYNGOLOGY (ENT)

PAPER III

Time : 3 hours

ENT/D/11/28/III

Max Marks : 100

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

Write short notes on:-

1. What are ten cardinal features of Down Syndrome in newborn? 6+4
What is the treatment principle of craniofacial dysostosis?
2. Enumerate the causes of delayed post traumatic CSF rhinorrhea. 4+3+3
How will you evaluate and manage such a case?
3. Describe surgical anatomy of Cerebellopontine angle. Enumerate 4+2+4
its lesions and surgical approach to it.
4. What are the anatomical variations influencing the development of 4+3+3
rhino-sinusitis? Briefly discuss the evaluation and management of
non-invasive fungal sinusitis.
5. What are the difficult situations one can encounter during cochlear 5+5
implant surgery? Enumerate the complications of cochlear
implantation.
6. What are the different types of Lasers used in Otolaryngological 5+3+2
practice? What are the clinical applications and advantages of
Lasers in ENT practice?
7. Classify fascio-maxillary fractures. How will you assess and 4+6
manage them?
8. What is otitic barotrauma? Briefly discuss the etiopathogenesis, 3+2+2+3
evaluation and management of otitic barotrauma.
9. Enumerate distal axial flaps used in Head and Neck surgery. 4+6
Discuss techniques of pectoralis major myocutaneous flap.
10. Discuss technique, post-operative care and complications of 4+3+3
endoscopic trans-sphenoidal hypophysectomy.

OTORHINOLARYNGOLOGY (ENT)

PAPER- IV

ENT/D/11/28/IV

Time : 3 hours

Max. Marks : 100

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

Write short notes on:-

1. Enumerate the four distinct phases of wound healing and their mechanism. What is the role of collagen and cytokines in wound healing? 2+4+4
2. Describe briefly Olfactory pathway. Classify odours. What are Olfactory dysfunctions? 5+2+3
3. Enumerate temporal bone projections in conventional imaging and structures to be assessed in each of these projections. 5+5
4. Discuss the surgical anatomy of parapharyngeal space. How will you evaluate a case of parapharyngeal tumour and briefly describe the surgical approaches to parapharyngeal space. 4+3+3
5. Give brief account of viruses causing respiratory illness. 10
6. Describe muscles of mastication and their actions. 5+5
7. Discuss the embryogenesis and management of choanal atresia? 5+5
8. Describe pathway, evaluation and clinical significance of vestibulo-ocular reflex. 4+3+3
9. Discuss the principle of Impedance Audiometry. Briefly describe the stapedial reflex pathway. What are the applications of Impedance Audiometry in otological practice? 3+3+4
10. Describe the intrinsic pathway of coagulation. How will you evaluate a patient of coagulation disorder prior to surgery? 5+5
