

Syllabus for the post of

(1) Associate Professor, Oto-Rhino-Laryngology (ENT), Class-I

(Advt. No.: 56/2019-20)

(2) Assistant Professor, Oto-Rhino-Laryngology (ENT), Class-I

(Advt. No.: 88/2019-20)

Marks – 200

Questions – 200

Medium - English

1. Basic Sciences related to Otorhinolaryngology:

Anatomy,

Radiographic anatomy of the ear, nose, throat and imaging,

Physiology,

Biochemistry,

Microbiology,

Pathology,

Pharmacology,

Anaesthesia,

Bacteriology,

Audiology.

2. Ear:

The physical and functional examination of the ear, The functional and physical examination of the vestibular system, Tinnitus, Affections of external ear, Repair of deformities of the external ear, Congenital conditions of the middle ear cleft, Traumatic conductive deafness, Acute inflammation of the middle ear cleft, Non-suppurative otitis media, Chronic suppurative otitis media, Management of chronic suppurative otitis media, Complications of infections of middle ear, Tumors of the middle ear cleft and temporal bone, Diseases of the otic capsule-otosclerosis, Diseases of the otic capsule-other diseases, The deaf child , Acoustic neuroma, Ototoxicity, Presbycusis, Diagnosis and management of sudden and fluctuant sensorineural hearing loss, Meniere's disease, Neurologic aspects of vertigo, Facial paralysis,

Rehabilitation of adults with acquired Hearing loss-Hearing aids, The cochlear Implants, Nystagmus, Otoacoustic emissions

3. Nose:

Examination of the nose, Conditions of the external nose, Injuries of the facial skeleton, Congenital diseases of the nose, The nasal septum, Foreign bodies in the nose, rhinolith, Epistaxis, Acute chronic inflammations of the nasal cavities Vasomotor rhinitis-allergic and non-allergic, Nasal polyposis, Abnormalities of smell, Acute sinusitis, Chronic sinusitis, Nasal Allergy/Fungal allergic sinusitis, Complications of acute and chronic sinusitis, Tumors of nose and sinuses, Facial pains, Trans-ethmoidal hypophysectomy, Functional endoscopic sinus surgery (FESS).

4. Throat:

Methods of examination of the mouth and pharynx, Diseases of the mouth Diseases of the salivary glands, Pharyngeal lesions associated with general diseases, Diseases of the tonsils and adenoids (excluding neoplasms), Tumors of the pharynx, Hypopharyngeal diverticulum (Pharyngeal Pouch Methods of examining and larynx and tracheobronchial tree, Congenital diseases of the larynx, Laryngeal disorders in singers and other voice users, Neurological affections of larynx and pharynx, Intubation of the larynx, laryngotomy and tracheostomy, Cervical node dissection, Skin grafts in Otolaryngology and reconstructive methods including regional and distant flaps for repair of defects after excision of tumors or trauma, Micro laryngeal surgery/ thyroplasty.

5. Miscellaneous and head and neck:

Cranial nerves, Raised intracranial tension-causes, diagnosis, management with particular reference to otitis hydrocephalus, Head injuries and I.C. Haemorrhage, Pituitary gland, anatomy, physiology hypo - and hyper - pituitarism, new growths, Intracranial venous sinuses and their affections, Osteology: skull, mandible cervical and thoracic vertebral sternum, Cervical fascia, facial spaces in neck, retro-pharyngeal and parapharyngeal Abscesses, Anatomy and physiology of thyroid gland, goitre, diseases of the

thyroid and carcinoma of thyroid, Large blood vessels in neck, thoracic duct development of major cervical and thoracic blood vessels, Head and neck reconstructive surgery

6. Drugs used in ENT :

Antibiotics Antihistaminic, Nasal vasoconstrictors, Local anaesthetics
Corticosteroids, Cyto-toxic agents, Antibiotics, Radioactive isotopes,
Antifungal agents, Vasopressive and other agents used in shock like states.

7. Paediatrics Otolaryngology:

Genetic factors and deafness, Causes of deafness, Testing hearing in children, Screening and surveillance for hearing impairment in pre school children, Otitis media with effusion, Acute and chronic suppurative otitis media in children, Surgery of congenital absence of external /middle ear, Management of hearing impaired child, Cochlear implantation in children, Vestibular disorder in children, Speech and language development, Foreign body in ear and nose, Congenital anomalies in nose, Craniofacial anomalies, Nasal obstruction , rhinorrhoea in infants and children, Tonsils and adenoids, Dental development , orthodontics, cleft lip and palate, Sleep apnea, Stertor and stridor, Acute laryngeal infections, Home care of tracheostomised children, Branchial cleft anomalies, thyroglossal cyst and fistula, Tumors of head and neck in children, The drooling child, Recurrent respiratory papillomatosis, Pediatrics anesthesia.

8. General surgical Principles.

9. RESEARCH METHODOLOGY.

10. MEDICO LEGAL ASPECTS RELEVANT TO THE DISCIPLINE.

11. INDIAN MEDICAL COUNCIL (PROFESSIONAL CONDUCT, ETIQUETTE AND ETHICS) REGULATIONS, 2002.

12. Recent advances in the field of Otorhinolaryngology and Head Neck surgery:

Recent developments in the diagnosis, pathogenesis and treatment of the ENT Diseases, The knowledge of the frontiers of the oto-laryngology and lateral skull base Surgery, Rhinoplasty, endoscopic sinus surgery, and anterior cranial fossa surgery, Knowledge of LASERS and fibre optics, Other methods of managing Hearing loss, Implantable hearing aids cochlear implants, Phonosurgery, Etiology and Managements of sleep apnoea/snoring, Hypophysectomy and optic nerve decompressions, Immunotherapy and modalities of the gene therapy, Newer techniques for Radiotherapy including, use of gamma knife for treatment of Intracranial tumors and other malignancy, Chemotherapy of cancer.