

**Syllabus for the preliminary test for the recruitment on the post of
ENT Surgeon (Specialist Service), Class I in Gujarat Health and
Medical Services**

Marks – 200

Questions - 200

Medium - English

1. Basic concepts

- Anatomy and Physiology of ear, nose and throat, trachea and oesophagus.
- The generation and reception of speech
- Radiographic anatomy of the ear, nose, throat and imaging.
- Bacteriology in relation to Otorhinolaryngology
- Allergy and rhinitis
- Haematology in relation to Otolaryngology
- Anaesthesia for Otolaryngology
- Pharmacology of drugs used in ENT
- Electrolyte, fluid balance/shock conditions
- Routine blood, urine testing
- Preparation of slides
- Facial nerve stimulation test
- Audiometric tests like pure tone Audiometry, Impedance Audiometry, Free field Audiometry, Specialized tests of hearing including SISI, Tone decay, ABLB, Speech discrimination score etc.
- Vestibular tests like caloric testing (Water and Air) stopping test, Fukuda's test,
- Evoked response audiometry.
- The ears and nasal sinuses in the aerospace environment
- Physiological consideration of pressure effects on the ear and sinuses in deep water diving
- The principles of cancer immunology with particular reference to head and neck cancer
- Principles of chemotherapy in head and neck cancer
- Recording of nystagmus by ENG and its interpretation

2. Ear:

- The physical and functional examination of the ear
- The functional and physical examination of the vestibular system.
- Tinnitus
- Affections of external ear
- Repairs 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
- Traumatic lesions of the inner ear

- Inflammatory lesions of the vestibular and auditory nerve
- Vascular lesions of the inner ear
- Electronystagmography
- Skull base/Neurologic surgery

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
- FESS (Functional endoscopic sinus surgery)
- Cosmetic surgery of the nose
- Non-healing granuloma of the nose
- Surgery of the pterygopalatine fossa.
- LASER Surgery

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
- Oesophageal conditions in the practice of ear, nose and throat surgery
- Disorders of speech
- Lower respiratory conditions in Otolaryngology

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.
- Functional Anatomy of cerebellum and brainstem
- Anatomy of mediastinum, Pleura, plural cavity, broncho-pulmonary segments and their clinical importance Facial plastic 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. General:

- Physiology of circulation, regulation of blood pressure, reactions of body to haemorrhage, patho-physiology of shock, fluid balance, blood transfusion and its hazards, fluid replacement therapy, burns.
- Agents used in shock like states.

8. Indian Medical Council (Professional Conduct, Etiquette and Ethics) Regulations, 2002.

9. Medico Legal Aspects relevant to the discipline.

10. Current Trends and Recent Advancements in the field of ENT.