

**M.S. DEGREE EXAMINATION
BRANCH IV – E.N.T.**

PAPER I – APPLIED BASIC SCIENCES IN OTO RHINO LARYNGOLOGY

Q.P. Code :222230

Time : Three Hours

Maximum : 100 Marks

Write Notes on :

I. ANATOMY: (4 x 5 = 20)

1. Anatomy of Endolymphatic Sac and Duct.
2. Fossa of Rosen Muller.
3. Trace the secretomotor pathway to submandibular salivary gland.
4. Para pharyngeal space.

II. PHYSIOLOGY: (4 x 5 = 20)

1. Role of middle ear in hearing.
2. Physiology of phonation.
3. Stapedial Reflex.
4. Mechanism of Breathing.

III. BIO-CHEMISTRY: (3 x 5 = 15)

1. Biochemical changes during sleep apnea.
2. Composition of CSF.
3. Trace Elements.

IV. PHARMACOLOGY: (3 x 5 = 15)

1. Azelastine.
2. Guaiphenesine.
3. Itraconazole.

V. PATHOLOGY: (3 x 5 = 15)

1. Schwannoma .
2. Spindle Cell Cancer.
3. Schneiderian tumour.

VI. MICROBIOLOGY: (3 x 5 = 15)

1. Pseudomonas Aeruginosa.
2. Type I Hyper sensitivity.
3. Ebstein Barr Virus.
