

M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
PAPER I – APPLIED BASIC SCIENCES IN OPHTHALMOLOGY

Q.P. Code :222225

Time : Three Hours

Maximum : 100 Marks

Write Notes on :

I. ANATOMY: (4 x 5 = 20)

1. Surgical spaces of orbit.
2. Cavernous sinus.
3. Limbus.
4. Ophthalmic artery.

II. PHYSIOLOGY: (4 x 5 = 20)

1. Grades of binocular vision.
2. Reduced eye.
3. Panums area.
4. Entoptic phenomenon.

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

1. Biochemical composition of tears.
2. Corneal metabolism.
3. Lipoproteins.

IV. PHARMACOLOGY: (3 x 5 = 15)

1. Carbonic anhydrase inhibitors.
2. Anti metabolites.
3. Mast cell stabilizer.

V. MICROBIOLOGY: (3 x 5 = 15)

1. Polymerase chain reaction.
2. Herpes zoster virus.
3. Cysticercus and its ocular manifestation.

VI. PATHOLOGY: (3 x 5 = 15)

1. Nodules in the eye.
2. Fine needle aspiration biopsy.
3. Glioma.
