

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. Anatomy of macula
 2. Orbital spaces
 3. Intraocular muscles
 4. Abducent nerve
- II. PHYSIOLOGY:** (4 x 5 = 20)
1. Light – near dissociation
 2. Blood aqueous barrier
 3. Visually evoked potential
 4. Corneal transparency
- III. BIO-CHEMISTRY:** (3 x 5 = 15)
1. Mechanism of diabetic cataract
 2. Lipid metabolism
 3. Vascular endothelial factor
- IV. PHARMACOLOGY:** (3 x 5 = 15)
1. Intraocular drug implants
 2. Immune modulators in ocular disorders
 3. Hyper osmotic agents
- V. MICROBIOLOGY:** (3 x 5 = 15)
1. Laboratory diagnosis of trachoma
 2. Graft versus host response
 3. Fungi in ocular infection
- VI. PATHOLOGY:** (3 x 5 = 15)
1. Pathology of corneal dystrophies
 2. Sympathetic ophthalmia
 3. Tumours of lacrimal sac