

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. Vitreous attachments.
2. Superior oblique muscle.
3. Various spaces within the eyeball.
4. Lacrimal drainage system.

II. PHYSIOLOGY: (4 x 5 = 20)

1. Binocular single vision.
2. Macular function tests.
3. Tear film.
4. Gonioscopy – Principles.

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

1. Role of glycosylated hemoglobin.
2. Lipoproteins.
3. Immuno globulin in tear fluid.

IV. PHARMACOLOGY: (3 x 5 = 15)

1. Immuno modulators.
2. Intra ocular drug implants.
3. Acyclovir.

V. MICROBIOLOGY: (3 x 5 = 15)

1. Corynebacterium xerosis.
2. Filamentous fungi.
3. Microbiological study in endophthalmitis.

VI. PATHOLOGY: (3 x 5 = 15)

1. Iris cysts.
2. Cystoid macular oedema.
3. Pathogenesis of siderosis bulbi.
