

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. Lacrimal gland.
2. Ciliary ganglion.
3. Superior oblique muscle.
4. Development of vitreous.

II. PHYSIOLOGY:

(4 x 5 = 20)

1. Visual adaptations.
2. Laws governing ocular motility.
3. Depth perception.
4. Factors influencing the intra ocular pressure.

III. BIO-CHEMISTRY:

(3 x 5 = 15)

1. Composition of vitreous.
2. Free radicals.
3. Glycosylated haemoglobin.

IV. PHARMACOLOGY:

(3 x 5 = 15)

1. Prostaglandin Analogues.
2. Immunosuppressants in ophthalmology.
3. Drug delivering techniques.

V. MICROBIOLOGY:

(3 x 5 = 15)

1. Toxoplasmosis.
2. Candidiasis.
3. Adenovirus.

VI. PATHOLOGY:

(3 x 5 = 15)

1. Pathological changes in age related macular degeneration.
2. Basal cell carcinoma.
3. Pathology in hypertensive retinopathy.
