

[LI 219]

APRIL 2016

Sub. Code: 2225

**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. Optic chiasma.
2. Ciliary body.
3. Blood supply of lacrimal gland.
4. Orbital walls.

II. PHYSIOLOGY:

(4 x 5 = 20)

1. Theory of accommodation.
2. Aqueous pathway.
3. Scotopic vision.
4. Visually evoked potential.

III. BIO-CHEMISTRY:

(3 x 5 = 15)

1. Metabolism of vitreous.
2. Walsby's visual cycle.
3. Biosynthesis of prostaglandins.

IV. PHARMACOLOGY:

(3 x 5 = 15)

1. Cyclosporine.
2. Viscoelastics.
3. Natamycin.

V. MICROBIOLOGY:

(3 x 5 = 15)

1. AIDS virus.
2. Gram's stain.
3. Pseudomonas.

VI. PATHOLOGY:

(3 x 5 = 15)

1. Pathogenesis of sympathetic ophthalmia.
2. Retinoblastoma.
3. Pathogenesis of Diabetic microangiopathy.
