

(LC 219)

APRIL 2013

Sub. Code: 2225

**M.S. DEGREE EXAMINATION
BRANCH III –OPHTHALMOLOGY**

APPLIED BASIC SCIENCES IN OPHTHALMOLOGY

Q.P. Code : 22225

Time: Three Hours

Maximum: 100 marks

Write notes on:

I. ANATOMY (4X5=20)

1. Angle of anterior Chamber.
2. Circle of Willis.
3. Superior Oblique Muscle.
4. Development of Vitreous.

II. PHYSIOLOGY (4X5=20)

1. Formation and circulation of Aqueous Humor.
2. Precorneal Tear Film and functions of tear fluid.
3. Binocular Vision.
4. Electro retinogram.

III. BIO-CHEMISTRY (3X5=15)

1. Metabolism of Cornea.
2. Composition of tears.
3. Biochemical changes leading to Cataract.

IV. PHARMACOLOGY (3X5=15)

1. Ocular Aneasthetics.
2. Latanoprost.
3. Antiviral Drugs.

V. MICROBIOLOGY (3X5=15)

1. Neisseria.
2. Laboratory Diagnosis of Fungus.
3. ELISA

VI. PATHOLOGY (3X5=15)

1. Malignant Melanoma of choroid.
2. Keratoconus.
3. Dalen Fuch's nodules.
