

[LS 219]

NOVEMBER 2020
(OCTOBER 2020 SESSION)
M.S. DEGREE EXAMINATION

Sub. Code: 2225

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. Surgical limbus
3. Muscles in eyelid
4. Trochlear nerve

II. PHYSIOLOGY:

(4 x 5 = 20)

1. Elettro oculogram
2. Factors affecting ocular rigidity
3. Metabolism of lens
4. Binocular vision

III. BIO-CHEMISTRY:

(3 x 5 = 15)

1. Lens proteins
2. Composition of tear film
3. Axoplasmic flow in optic nerve

IV. PHARMACOLOGY:

(3 x 5 = 15)

1. Adhesives in ophthalmology
2. Infiximab
3. Carbonic anhydrase inhibitors

V. MICROBIOLOGY:

(3 x 5 = 15)

1. Elisa
2. Corynebacterium diphtheria
3. Ocular immune response

VI. PATHOLOGY:

(3 x 5 = 15)

1. Asteroid hyalosis
2. Premalignant lesions of conjunctiva
3. Panophthalmitis
