

[LF 0212]

AUGUST 2014

Sub. Code: 1501

**DIPLOMA IN OPTOMETRY TECHNOLOGY
FIRST YEAR
PAPER I – OCULAR ANATOMY & PHYSIOLOGY
Q.P. Code : 841501**

Time: 3 hours

Maximum: 100 marks

Answer all Questions

I. Elaborate on:

(3x10=30)

1. Name the structures that form the eyelid and describe the origin, insertion and function of levator palpebrae superioris muscle in detail.
2. Describe the five layers of cornea and the factors responsible for corneal transparency.
3. Explain the origin, insertion and action of the four recti muscles.

II. Write notes on:

(10x5=50)

1. Limbus.
2. Drainage of aqueous.
3. Structures at the apex of orbit.
4. Colour vision.
5. Blood retinal barrier.
6. Optic chiasma.
7. Binocular single vision.
8. Structure and functions of tearfilm.
9. Factors influencing intraocular pressure.
10. Blood supply to retina.

III. Short answers on:

(10x2=20)

1. Muller's muscle.
2. Tenon's capsule.
3. Lacrimal puncta.
4. Pupil.
5. Optic tract.
6. Visually evoked response.
7. Dark adaptation.
8. Visual cortex.
9. Irido corneal angle.
10. Tests for colour vision.
