

**B. OPTOM**  
(New Syllabus 2015-2016)

**FIRST YEAR**

**PAPER II – OCULAR ANATOMY AND OCULAR PHYSIOLOGY**

*Q.P. Code: 802702*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the anatomy of extra ocular muscles with nerve supply, blood supply and its actions.
2. Describe the anatomy of Cornea and Maintenance of Corneal transparency.
3. Explain the visual pathway diagrammatically, the visual fibres and various lesions of visual pathway.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Write notes on Binocular vision.
2. Explain the maintenance of Intraocular pressure.
3. Explain the various tests of colour vision defects.
4. Explain with diagram the structure and function of rods and cone cells.
5. Explain visual evoked potential.
6. Explain the primary, secondary and tertiary actions of inferior oblique muscle.
7. Explain Aqueous humour outflow system with diagram.
8. Explain the layers and parts of eyelids.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Explain the muscles of Iris.
2. Write notes on vergence and duction movements of extra ocular muscles.
3. What is Entoptic phenomena?
4. What is regurgitation test?
5. Explain accommodation.
6. Explain the development of lens.
7. What is Electroretinogram?
8. Explain grades of Binocular vision.
9. Name the bones forming the orbital walls.
10. Draw and name the parts of lacrimal system.