

[LP 0819]

AUGUST 2019

Sub. Code: 2702

**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. Visual acuity testing.
2. What is intraocular pressure – normal range and maintenance?  
Write about instruments used to measure IOP.
3. Layers of retina with labeled diagram.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Colour vision testing and defects.
2. Notes on binocular single vision.
3. Layer of cornea and functions.
4. Extraocular movements – versions and vergences.
5. Structure of lens.
6. Pupillary reflexes and pathway.
7. Accommodation.
8. Functions and composition of tear film.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Parts of ciliary body.
2. Hering's and Sherrington's law.
3. Endothelial pump.
4. Macula lutea.
5. Dark and Light adaptation.
6. Contrast sensitivity.
7. Presbyopia.
8. Schirmer's test.
9. Vitreous humor.
10. Muscles of iris.

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