

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

**SECOND YEAR**

**PAPER II – VISUAL OPTICS – I & II**

*Q.P. Code: 802712*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. AC/A ratio and anomalies of accommodation.
2. Discuss in detail about the optics, signs and management of aphakia.
3. Explain in detail about emmetropization and growth of human eye in relation to refractive error with age.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Cardinal points of the eye.
2. RAF ruler
3. Neutralization of spectacles
4. Null Point.
5. Optics of astigmatism.
6. Pachymetry.
7. Write in short about Gullstrand's schematic eye with neat diagram.
8. Amblyopia.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Duo chrome test.
2. Types of myopia.
3. Optical components of eye.
4. Pseudophakia.
5. Visual angle.
6. Magnification.
7. Use of pinhole.
8. Hirschberg test.
9. Vertex distance.
10. Post mydriatic test.

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