

[LH 0815]

AUGUST 2015

Sub.Code :6022

**B.Sc. OPTOMETRY**

**SECOND YEAR**

**PAPER I – OPTOMETRIC OPTICS - (I and II)**

*Q.P. Code: 806022*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Tinted and Protective lenses.
2. Types of frame, constructions and markings.
3. Lens surfacing.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Cross cylinder.
2. Lenticular Lenses.
3. Inter papillary distance.
4. Vertex power and distance.
5. Trifocal lenses.
6. Definition of Prism, unit of prism power, notation and uses of prism.
7. Toric transposition.
8. Lens decentration.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Anti scratch coating.
2. Spherical aberration.
3. Sag Formula.
4. Back Vertex distance.
5. Aspheric lenses.
6. Prentice rule.
7. Base Curve.
8. Meniscus Lenses.
9. Types of glazing.
10. Pantoscopic tilt.

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