B.Sc. OPTOMETRY
SECOND YEAR
PAPER III – VISUAL OPTICS - I

Q.P. Code: 806024

Time: Three Hours   **Maximum: 100 Marks**

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. Write in detail on aetiology, components, clinical features and treatment of hypermetropia.
2. Explain principle, optics and procedure of retinoscopy.
3. Write in detail about aphakia.

II. Write notes on: **(8 x 5 = 40)**

1. Snellens Visual acuity charts.
2. Aetiology of refractive errors.
3. Axes and angles of the eye.
4. Pathological myopia.
5. Types of anisometropia.
6. Sturm's conoid.
7. Jacksons cross cylinder.
8. Purkinje Sanson images.

III. Short answers on: **(10 x 3 = 30)**

1. Pseudomyopia.
2. RAF ruler.
3. With the rule astigmatism.
4. Types of IOL.
5. Transpose : +2.50Dsph / -1.50D cyl axis 45.
6. Axial ametropia.
7. PMT.
8. Fogging.
9. Depth of focus.
10. Tentative addition based on age in presbyopia.

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