B.OPTOM
(New Syllabus 2015-2016)

THIRD YEAR

PAPER I – OPTOMETRIC OPTICS I & II AND DISPENSING OPTICS

Q.P. Code: 802721

Time: Three Hours   **Maximum: 100 Marks**
Answer all questions

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

1. Bifocal lenses.
2. Defects during manufacturing process.
3. Size, shape and mounting of ophthalmic lenses.

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

1. Frames for special purpose.
2. Aberrations in ophthalmic lenses.
3. Vertex power and vertex distance.
4. Lenticular lenses.
5. Tinted lenses.
6. Problems encountered while dispensing spectacles.
7. Sag formula.
8. Toric transposition.

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

1. Pantoscopic tilt.
2. Pupillometer.
3. Simple transpotition.
4. ARC.
5. Glare.
6. Knapp's law.
7. Two advantages and disadvantages of progressive lens.
8. Air blower.
9. Facial types.
10. Faults in lens material.

****