

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0423]

APRIL 2023

Sub. Code: 2721

B.OPTOM

THIRD YEAR (Regulation 2015-2016 onwards)

PAPER I – OPTOMETRIC OPTICS I & II AND DISPENSING OPTICS

Q.P. Code : 802721

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Progressive addition lenses.
2. Tinted lenses.
3. Lens surfacing.

II. Write notes on:

(8 x 5 = 40)

1. Toric transposition.
2. Pupilometer.
3. Aspheric lenses.
4. Frame selection for high plus lenses.
5. Boxing system.
6. Facial types.
7. Protective lenses.
8. Multifocal lenses.

III. Short answers on:

(10 x 3 = 30)

1. Lenticular lenses.
2. Approximate power.
3. Cylindrical lenses.
4. Lensometer.
5. Fresnel prism.
6. Draw and label the parts of a frame.
7. Retrosopic tilt.
8. Diamond cutter.
9. Back Vertex distance.
10. Transpose $-0.75D$ sph/ $-2.75D$ cyl X 135.
