

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

[AHS 1123]

NOVEMBER 2023

Sub. Code: 2751

B.OPTOM

THIRD YEAR (Regulation 2018-2019 onwards)

PAPER I – OPTOMETRIC OPTICS II AND DISPENSING OPTICS

Q.P. Code: 802751

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Write about the progressive lenses and its advantages.
2. Write the different types of special purpose frames and its uses.
3. What are the different types of tints used and characteristics of each?

II. Write notes on:

(8 x 5 = 40)

1. Photochromic filters.
2. Aspheric lenses.
3. Edge coating and Hard Multi Coating.
4. ANSI standards.
5. Safety wear.
6. Pupillometer.
7. Lenticular lens.
8. Absorptive glasses.

III. Short answers on:

(10 x 3 = 30)

1. Advantages of Polaroid lens.
2. Advantages and disadvantages of Bifocal lens.
3. Blue light hazards.
4. Measuring Aspheric Surface.
5. Cemented Bifocal.
6. Testing procedure for Safety lenses.
7. Anti-fog coating.
8. Factors in Bifocal fitting.
9. Frame selection in Progressive lens.
10. Distometer.
