

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

[AHS 0423]

APRIL 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. ANSI STANDARDS.
2. PAL – Progressive addition lenses.
3. Protective glasses.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Absorptive glasses.
2. Bifocals.
3. Pupilo meter.
4. Anti reflective coating.
5. Spherical aberration.
6. Photochromic filters.
7. Abbe's value.
8. Reflecting filters.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Gradient lenses.
2. Pantoscopic tilt.
3. Trifocal lenses.
4. Flint glasses.
5. High index lenses.
6. Principle of prism and its uses.
7. Ghost images.
8. Vertex distance.
9. Image jump.
10. Sphero cylinder.

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