

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

**[LR 1220]**

**DECEMBER 2020  
(AUGUST 2020 EXAM SESSION)**

**Sub. Code: 1536**

**DIPLOMA IN OPTOMETRY TECHNOLOGY**

**SECOND YEAR – (Regulation from 2014 -2015 & 2018-2019)**

**PAPER I – REFRACTION TECHNIQUES., CONTACT LENSES, LOW VISION  
AIDS AND OPTICAL DISPENSING**

***Q.P. Code: 841536***

**Time : Three Hours**

**Answer All questions.**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Write in detail about Subjective Refraction.
2. Write in detail about Soft contact lens fitting.
3. Write in detail about Progressive lenses.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Types of IOL.
2. Corneal topography.
3. Chromatic aberration.
4. Complications from contact lens wear.
5. Magnifiers in low vision.
6. Spectacle lens materials.
7. Advantages of contact lenses.
8. LogMAR chart.
9. Characteristics of retinoscopic reflex.
10. Muscle balance test.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Define low vision.
2. Executive bifocal.
3. Working distance lens in retinoscopy.
4. Ortho K lenses.
5. Pseudophakia.
6. Scleral contact lens.
7. Rehabilitation.
8. Monovision as presbyopia correction.
9. Toughened lenses.
10. Jack in the box effect.

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