

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

**[AHS 0423]**

**APRIL 2023**

**Sub. Code: 1532**

**DIPLOMA IN OPTOMETRY TECHNOLOGY**

**FIRST YEAR (Regulations 2014 -2015 & 2018-2019 onwards)**

**PAPER II – OCULAR DISEASES I, VISUAL OPTICS, REFRACTIVE ERRORS,  
COMMUNITY OPHTHALMOLOGY, MEDICAL RECORDS**

***Q.P. Code: 841532***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3x10 = 30)**

1. What is Anisometropia? Explain the causes, types and treatment.
2. Mention the tools used in evaluation of Astigmatism.
3. Classify Corneal Ulcer and write in detail about etiology, clinical features, investigation and management.

**II. Write notes on:**

**(10 x 5 =50)**

1. Identification method of Spherical lenses, Cylindrical lenses, Spherocylindrical lenses.
2. How do you measure power of Lens?
3. Define Prism. Write about uses of Prisms in Ophthalmology.
4. Vision 2020 Programme.
5. Classification of Corneal Opacities.
6. Vernal Kerato Conjunctivitis (VKC).
7. Presbyopia and its management.
8. How to conduct Screening Camp?
9. Amblyopia and its treatment.
10. Cataract and treatment.

**III. Short answers on:**

**(10 x2 =20)**

1. What is Pterygium?
2. Define Blindness.
3. Keratoconus.
4. Ectropion.
5. What is Occlusion therapy?
6. Refractive index.
7. Interference.
8. Concave lens image formation.
9. What is Hypermetropia?
10. Diffraction.

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