

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

[AHS 1123]

NOVEMBER 2023

Sub. Code: 2742

B.OPTOM

SECOND YEAR (Regulation 2018-2019 onwards)

PAPER II – VISUAL OPTICS

Q.P. Code: 802742

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define Accommodation. Explain in detail about Far and Near point of Accommodation.
2. Explain in detail about of Retinoscopy Reflex based on Speed, Brightness and Thickness.
3. What is Anisometropia. Explain its Causes, Signs, Symptoms and Management.

II. Write notes on:

(8 x 5 = 40)

1. What are clinical types of Aniseikonia?
2. Discuss the types of Amblyopia and its treatment.
3. Describe Roving Ring Scotoma in corrected Aphakia with suitable diagram.
4. How would you determine the Corneal curvature?
5. Enumerate the steps in performing Streak Retinoscopy.
6. Describe the steps in prescribing Prisms.
7. Work three examples of Spherical equivalent.
8. Differentiate Regular and Irregular Astigmatism.

III. Short answers on:

(10 x 3 = 30)

1. What is Pseudomyopia?
2. Define Anisometropia.
3. What is Latent Hypermetropia and how is it detected?
4. What is Presbyopia?
5. What are far and near points of the Eye?
6. List any three characteristic features of Aphakia.
7. Diagrammatically represent the image formula in Myopia.
8. Define Vergence.
9. What is Consecutive Hypermetropia?
10. Which is the best modality of treatment in Axial Ametropia?
