

QP Code: 226013

Reg. No:.....

Second Year B.Sc Optometry Degree Regular/Supplementary

Examinations November 2025

Visual Optics

(2016 Scheme)

Time: 2 hours

Max. Marks: 40

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay

(10)

1. What are the signs and symptoms of a hypermetropic patient. How do you identify and plan for the management of the same

Short Notes:

(3x5=15)

2. Write a note on subjective refraction in Astigmatic patients, how will you determine the axis
3. Write in brief about the components of visual acuity. Write about LogMAR chart
4. Explain the differences between net and gross retinoscopy. How do you calculate them using some examples

Answer briefly

(5x2=10)

5. Explain the term Catoptric power
6. Define focal points
7. What is Aphakia
8. What are the aetiologies of Myopia
9. How can we determine the power of cornea

One Word Answer

(5x1=5)

10. Normal range of Baush and Lomb keratometer
11. Where will be the far point of a myopic patient situated
12. What is refractive index of cornea
13. Dioptric power of crystalline lens
14. The amount of myopia induced when there is a change in axial length of 1 mm
