

QP Code: 226013

Reg. No:.....

**Second Year B.Sc Optometry Degree Regular/Supplementary  
Examinations November 2024**

**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 Astigmatic patient. How do you identify and plan for the management of the same

**Short Notes:**

**(3x5=15)**

2. Write in detail about subjective refraction
3. Explain the components of visual acuity. what are the factors affecting visual acuity
4. What is working distance. How do you calculate the working lens power while performing retinoscopy

**Answer briefly**

**(5x2=10)**

5. What is Chromatic aberration
6. Define principal planes
7. What do you mean by Pseudophakia
8. What are the aetiologies of Presbyopia
9. What is the power of cornea in air.

**One Word Answer**

**(5x1=5)**

10. What will be amount of displacement of image at one meter with a one diopter prism
11. The position of far point in a hypermetropic patient
12. What is refractive index of Vitreous Humor
13. Dioptric power of crystalline lens
14. The amount of hypermetropia induced when there is a change in corneal curvature by 1mm

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