

QP Code: 227013

Reg. No:.....

**Second Year B.Sc Optometry Degree Regular/Supplementary
Examinations November 2024
Optometric 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. Elaborate designs of Progressive lenses and their evolution using few relevant diagrams

Short Notes (3x5=15)

2. Explain the advantage of Anti-reflection coating. How is it used. Who will benefit with this coating
3. Write in detail about properties of Polycarbonate lens. Whom do you think may benefit with this lens material.
4. What are common indications of Nylon frames. What are the other co-polymers of nylon. How do patient benefit with this material

Answer Briefly (5x2=10)

5. What do you understand by Datum line and A size
6. Transpose into all possible forms (2 forms) :-3.25 D Sph / +0.75 D Cyl x 450
7. Draw a neat labelled diagram showing image formation in a Prism
8. Explain chromatic aberration in brief
9. What is Lens surfacing

One Word/ Brief Answers (5x1=5)

10. Define Diopter
11. What is minification
12. Define Aspheric lens
13. What is abbe value
14. What is Eye wire
