

QP Code: 227013

Reg. No:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
May 2025**

**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*
- *Simple calculator shall only be permitted*

Essay (10)

1. Explain designs of Bifocal lenses that are available in the current market with a neat labelled diagram

Short Notes (3x5=15)

2. Explain the advantage of Anti-scratch coating. How is it done
3. Write in detail about properties of CR39 lens. Whom do you think may benefit with this lens material
4. What is the classification of Gold frames. What is the need of it. How to identify the same

Answer Briefly (5x2=10)

5. What do you understand by Edging and Glazing
6. Transpose the below in to other 3 forms: +3.50/-1.25X75
7. What do you understand by Boxing system
8. What do you understand by Refraction and Reflection
9. Draw a diagram of image formation in a Cylindrical lens

One Word/ Brief Answers (5x1=5)

10. Define Prism Diopter
11. What is Magnification
12. Define Base curve
13. What is frame size
14. Define a Frame and Mount
