

**Third Year B.Sc Optometry Degree Regular/Supplementary Examinations
January 2023**

Low Vision aid, Dispensing Optics and Mechanical Optics

(2016 Scheme)

Time: 2 hrs

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. If a patient aged 15years is suffering from severe Retinitis pigmentosa with best corrected vision of 6/36 and 5/60 in RE & LE, what do you think he is in need of. How do you manage him with counseling, devices and mobility training

Short notes (3x5=15)

2. Explain the importance of Impact resistance of a lens material
3. What are the various non-optical devices that you know about. Write in brief about any two of them
4. How do you measure IPD of a patient using PD ruler

Answer briefly (5x2=10)

5. Write in brief about Titanium frame material
6. What is the role of lensometer
7. What kind of filed defects does a patient face if he is suffering from proliferative Diabetic retinopathy
8. What do you understand by “disability”
9. What is the role of mobility training for a low vision patient

One word answer (State True/False) (5x1= 5)

10. Recent developments in low vision devices are seen in _____ devices
11. What do you understand by Cane
12. What is the marking 48 box 17 on a temple of a frame indicates
13. Nose pads needs to be changed every ____ for a metal frame
14. Minimum vision cut off value for better eye is ____ in low vision