

Third Year B.Sc Optometry Degree Regular/Supplementary Examinations
December 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 65years is suffering from severe Diabetic Retinopathy with best corrected vision of 6/36 and 6/60 in RE & LE, what do you think he is in need of. How do you manage him with counseling, devices and filters.

Short notes **(3x5=15)**

2. Describe in detail about different frame measurement system.
3. What are the various Electronic low vision devices that you know about. Write in brief about any two of them.
4. What are the various important applications of measuring monocular IPD.

Answer briefly **(5x2=10)**

5. Significance of crutched glasses
6. Explain the role of lensometer in Pre & Post quality check process in an optical outlet.
7. What kind of field defects does a patient face if he is suffering from advanced glaucoma.
8. What do you understand by “visually handicapped”.
9. What is the role of classroom training and orientation of a kid suffering from low vision.

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

10. What is reading stand.
11. What will help a low vision patient to know time.
12. The marking 46 □ 16 on the temple of a frame indicates -----, ----- and -----
13. The type of spectacle temple ideal for paediatric patient is -----
14. Minimum contrast cut off value for better eye is ----- in low vision.