

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

**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

1. Write an essay on clinical procedures for a low vision patient at the age of 15 years. (10)

Short notes

2. Classify different low vision aids according to its use
3. Faults in spectacle lenses.
4. Write in detail about the selection of low vision aid for a patient with macular degeneration. How will you train your patient to use the low vision aid which you had selected

Answer briefly

(5x2=10)

5. Frame measurement and frame selection for elderly.
6. Inter pupillary distance measurement (IPD measurement) for near
7. Frame manipulation
8. Discuss how does a soft design progressive is superior to a hard design.
9. Relative size magnification Vs Relative distance magnification

One word answer

(5x1= 5)

10. Type of magnification in Galilean telescope.
11. + 2.00 DC@90, -3.50 DC@180 transpose this to a minus cylinder form lens.
12. _____ frames are not suitable for high hypermetropic prescriptions
13. The marking 52 □, 17, 152 on the temple of the frame indicates _____, _____, _____ and _____
14. Write one cause of low vision in children.