

**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

(3x5=15)

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.
