

**Third Year B.Sc Optometry Degree Supplementary Examinations  
April 2025**

**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. A 23 year old male patient reported to your clinic with complaints of defective vision at night. While examining the patient you noticed reduced peripheral vision. On fundus evaluation you observed bone spicules. What is your diagnosis how will you council and treat your patient

**Short notes**

**(3x5=15)**

2. Spectacle fault inspection.
3. List any two pliers with its uses.
4. Electronic devices for low vision patients.

**Answer briefly**

**(5x2=10)**

5. Define Albinism. How will you manage patients with Albinism
6. Frame manipulation
7. Write about spectacle verification.
8. Datum versus Boxing system
9. Considerations while edging of lenses for plastic frames.

**One word answer**

**(5x1= 5)**

10. ANSI Standards for single vision lenses.
11. Classify categories of visual impairment.
12. Transpose  $-7.50ds/+3.50$  dc x 110 into other cyl and give its spherical equivalent.
13. The abbe value of polycarbonate is .....
14. The minimum fitting height of a 'D' bifocal is .....mm

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