

**Q.P. Code: 323013**

**Reg. No.:.....**

**Third Year B.Sc Optometry Degree Supplementary Examinations May 2022**

**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. Enumerate common disorders leading to low vision. Write in detail about problems and management of following conditions:

- Age related macular degeneration
- Retinitis pigmentosa

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

2. Types of magnifications with examples
3. Frames for special purposes
4. History taking in low vision

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

5. Legal blindness
6. Contrast sensitivity
7. Ptosis crutches
8. IPD Measurement for near.
9. Surface faults

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

10. A -4.50 DS high index glass lens is heavier than a crown glass of equal power
11. Distance power- Near power = Near Addition (ADD).
12. Bar magnifier increases the object size in horizontal meridian.
13. Patient suffering from retinitis pigmentosa has peripheral visual field loss.
14. Normal transmission of crown glasses is 15% to 30%.

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