

**Q.P. Code: 312013**

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

**Third Year B.Sc Optometry Degree Supplementary Examinations  
April 2019**

**Dispensing optics, Mechanical optics, Contact lens and Low vision aids**

**(2014 Scheme)**

**Time: 2 hrs**

**Max marks: 40**

- **Answer all questions**
- **Draw diagram wherever necessary**

**Essay (10)**

1. Enumerate common disorders leading to low vision and describe in detail on problems and management in albinism, optic atrophy and glaucoma

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

2. Properties of an ideal contact lens material.
3. Stabilization techniques in soft toric contact lens.
4. Polycarbonate material

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

5. Name any five complications of soft contact lens
6. Define sagittal depth and height
7. DIFFERENTIATE FLINT AND CROWN GLASSES.
8. Define spherical aberration and how can you minimize the spherical aberration
9. Working definition of low vision

**One word answer (5x1= 5)**

10. WRITE 2 INDICATIONS OF THERAPEUTIC CONTACT LENS.

submerged in water • 0.00 D • -0.29 D • +2.47 D • +14.30 D

11. PLUS LENS CAUSES ..... DISTORTION

12. Polarizing lenses reduces .....Glare

13. Chromatic aberration increases when Abbe value .....

14. ANSI stands for .....

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