

**Q.P.Code 302013**

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

Third Year B.Sc Optometry Degree Supplementary Examinations  
February 2017

**Dispensing Optics, Mechanical Optics, Contact Lens and Low Vision Aids**

**Time : 3 hrs**

**Max marks : 100**

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

**Essays**

**(2x20=40)**

1. Define low vision. Write about the identification, diagnostic procedure, causes and refraction done in low vision patients. Explain in detail.
2. Explain the various processes involves in surfacing and polishing of glasses. Explain the methods in inspection of faults in lenses.

**Short notes**

**(5x5=25)**

3. Differences between RGP and soft lenses.
4. Non optical devices used for low vision patients.
5. Contact lens fitting in aphakic patients.
6. Telescope and its advantage and disadvantage
7. Abbe value

**Answer briefly**

**(10x3=30)**

8. Uses of keratometer
9. What is frame front
10. Polycarbonate
11. Types of bridges with diagram
12. Nylon and optyl
13. Spectacle magnifier
14. History taking in low vision patients
15. Boxing system
16. Contraindication of contact lenses
17. special contact lenses indications

**One word answer**

**(5x1= 5)**

18. Abbe value of polycarbonate is .....
19. The distance between back surface of spectacle lens to the front surface of cornea is called.....
20. Normal range of keratometer is.....
21. Notex is a .....device.
22. ....is used to detect visual field defects in low vision patients.

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