

Third Year B.Sc Optometry Degree Examinations - November 2013

**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. Describe the various lens faults associated with lens material and lens surface. Add a note on lens faults inspection **(10+10=20)**
2. Explain the pre fitting evaluation for an initial soft contact lens wearer. Add a note on indications and contraindications of contact lens wear. **(12+8=20)**

**Short notes****(5x5=25)**

3. Low vision management for ARMD
4. Spectacle frame selection for children
5. Slit lamp illumination techniques used for contact lens examination
6. Non-optical devices in low vision care
7. Prosthetic contact lens and color contact lens

**Answer briefly****(10x3=30)**

8. Polaroid lenses
9. Stand magnifier
10. Use of Cartesian system in contact lens practice
11. Refraction in low vision patients
12. Boxing system
13. Extended keratometry
14. Definitions for low vision and blindness
15. Polishing of spectacle lenses
16. FDA classification for different soft contact lens types
17. Accommodation with contact lenses

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

18. ----- cranial nerve is responsible for corneal innervations
19. Frames marked with Z87 means -----
20. CC TV is ----- type of Low Vision Aids
21. ----- is the lenticular astigmatism in an eye with subjective refraction -5.00/-5.00  $\times 180^\circ$  and keratometry readings 44.00/46.00@90°
22. Contact lens induced papillary conjunctivitis (CLPC) is more common in ----- contact lens wear.