

**Third Year B.Sc Optometry Degree Supplementary Examinations
August 2017
(2010 SCHEME)**

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. Explain the various types of frame materials.
2. How to evaluate near vision patients. What is Amsler's grid and mention its types.
What are the field defects

Short notes

(5x5=25)

3. Parts of frame
4. Keratometer
5. What are the various optical devices used for a low vision patient
6. What are the various solvents used in joining plastic frames
7. Contact lens fitting in astigmatism.

Answer briefly

(10x3=30)

8. Cellulose propionate
9. List the various plastic frame materials
10. History taking in contact lens patients
11. Identifying the low vision patients
12. Draw the various temple designs
13. What are artificial eyes
14. What are the various lens types. Explain each type.
15. List the various types of electronic devices used for low vision patients.
16. What is glazing
17. List any three handling instructions for contact lens users.

One word answer

(5x1= 5)

18. Abbe value of CR39 is
19.frame is suitable for long face.
20. Library temple is also called as
21. In low vision patients, the visual acuity of the better eye is less than
22. When media opacity is present, retinoscopy is done.
