

Second Year B.Sc Optometry Degree Supplementary Examinations April 2017

**Clinical Examination of Visual Systems & Instruments  
(2010 scheme)**

**Time : 3 hrs****Max marks : 80**

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

**Essays****(2x15=30)**

1. Outline the principles and details of various types of refractometers.
2. Define retinoscopy. Describe the various techniques of retinoscopy. Mention the currently available types of retinoscopes.

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

3. What is the principle of external eye photography
4. What is perimetry and mention the different types.
5. Outline the technique of using prism bar
6. Describe the different types of ultrasonography.
7. Define low vision and mention different types of low vision aids

**Answer briefly****(10x2 = 20)**

8. Describe the technique of examination of cornea by slit lamp.
9. Outline the methods of examination of pupil.
10. Outline the design of a trial frame.
11. Outline the principle of direct ophthalmoscope.
12. Non-contact lenses for fundus examination.
13. Describe the uses of B scan.
14. Explain the techniques and use of RAF rule.
15. Different types of gonioscopes.
16. What is the use of amsler grid.
17. Astigmatic fan

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

18. CC cards is used at ..... distance.
19. Lensometer is used for .....
20. One technique of color vision testing .....
21. Bagolini striated glass is used for .....
22. History of seeing colored haloes is important in .....

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