

Second Year B.Sc Optometry Degree Examinations - October 2012

Clinical Examination of Visual Systems & Instruments

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. What are 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. 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. Mention four low vision aids

One word answer

(5x1 = 5)

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