

**Second Year B.Sc Optometry Degree Examinations - October 2014**

**Clinical Examination of Visual Systems & Instruments**

**Time : 3 hrs**

**Max marks : 80**

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

**Essays**

**(2x15=30)**

1. What is visual field and mention the different components. Describe different methods of field charting.
2. Describe the different methods of tonometry and list the advantages and disadvantages of each.

**Short notes**

**(5x5=25)**

3. Muscle balance tests
4. Tests for colour vision
5. How will you calculate IOL power.
6. Low vision aids
7. Lensometer

**Answer briefly**

**(10x2 = 20)**

8. Trial frame
9. Near vision charts
10. Fresnel prisms
11. Gonioscopes
12. Streak retinoscope
13. Amsler grid
14. Maddox rod
15. Pachymeter
16. Examination of pupil
17. Methods of illumination in slit lamp

**One word answer**

**(5x1 = 5)**

18. Schirmer test is done for detecting .....
19. Scissor shadow is seen in.....
20. Maddox wing is used for.....
21. Two tests for visual acuity in pre-school children
22. Mention the purpose of interferometry

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