

**Second Year B.Sc Optometry Degree Supplementary Examinations
May 2023**

Clinical Examination of Visual System and Ophthalmic Instruments

(2014 scheme)

Time: 2 hrs

Max marks: 40

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essay (10)

1. What are the various illumination techniques present in slit lamp examination, explain each with its clinical application.

Short notes (3x5=15)

2. Draw a neat diagram and explain on Optics of retinoscope.
3. What are the principles involved in keratometer. Draw a neatly labelled diagram of Bausch & Lomb keratometer optics.
4. Short note on types of tonometer and how do they differ in their principles.

Answer briefly (5x2=10)

5. What is SRK formula. Its clinical application.
6. What are the various components of a case history.
7. List down the accessories of trial set.
8. Bagolini striated glass.
9. Enlist the reliability indices in visual field report.

Fill in the blanks (5x1=5)

10. chart is used as a screening test for colour vision assessment.
11. The in trial set is used to test the amount and direction of phoria.
12. The name of the instrument that measures the surface powers of lenses is
13. The image formed by an indirect ophthalmoscope is
14. instrument uses Purkinje image I & II, to measure the corneal thickness.
