

QP Code: 225013

Reg. No.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
May 2025**

**Clinical Examination of Visual System and Ophthalmic Instruments
(2016 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*

Essays (10)

1. Explain the principle, construction, and working of streak Retinoscope with suitable diagram

Short Notes (3x5=15)

2. Describe in detail the 7 zones of Humphrey Field Analyzer.
3. Describe the different types of Amsler charts and its use in clinical practice
4. Describe the principle and the working of the lensometer

Answer Briefly (5x2=10)

5. What are the factors influencing the measure of inter pupillary distance
6. What are saccades and pursuits
7. Principle of Keratometry
8. Write the uses of the apertures used in direct ophthalmoscope
9. What are different types of gonioscopes

Fill in the Blanks (5x1=5)

10. _____ lens is typically used in retinoscopy to neutralize the reflex seen in hypermetropia
11. _____ is the instrument used to measure intraocular pressure using contact or non-contact methods.
12. The _____ is a tool that contains a set of lenses with various powers used in subjective refraction.
13. _____ is the method used to assess the health of the retina, optic disc, and vitreous using a handheld device.
14. The _____ is an instrument used to measure the refractive power of a lens accurately
