

**Q.P. Code: 215013**

**Reg. No.:.....**

**Second Year B.Sc Optometry Degree Supplementary Examinations  
February 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 ophthalmoscopes. Write about the types of Ophthalmoscopes and differentiate between them.

**Short notes (3x5=15)**

2. Differentiate 3 mirror from 4 mirror gonioscopy. Explain the clinical procedure of 3 mirror gonioscopy.
3. Write short note on principle and clinical procedure of B Scan.
4. Short note on parts of retinoscope and the mirror effects present in the retinoscope.

**Answer briefly (5x2=10)**

5. What are the accessories of slit lamp.
6. Differentiate one position keratometer from two position keratometer with examples.
7. Enlist the advantages of log MAR visual acuity chart over Snellen visual acuity chart.
8. Which part in the lensometer helps to measure the prisms present in the spectacles. What components of prisms are measurable with lensometer.
9. Differentiate Apostilb and Decibel.

**Fill in the blanks (5x1=5)**

10. The keratometer uses cornea as ..... Mirror.
11. The slit lamp utilizes ..... Telescope to magnify the images.
12. .... principle is used in autorefractometers.
13. The ..... in trial set is used for binocular vision test.
14. .... color vision chart is used to diagnose the type of color vision deficiency.

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