

QP Code: 225013

Reg. No.....

**Second Year B.Sc Optometry Degree Supplementary Examinations  
June 2022**

**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. A young contact lens user complains of irritation in both eyes that persist even with his new disposal lens set. The optometrist suspected a tear film deficiency in this patient and performed examination.
  - Explain basal and reflex tear secretion.
  - Explain the test that would help document the patient's condition.
  - List which of this test is screening and which are confirmatory.

**Short Notes**

**(3x5=15)**

2. What are the advantages of Phoropter over trial lens kit.
3. Explain the importance of pupillary assessment and name two disease condition where it would be useful.
4. Compare Snellen vs logMAR visual acuity.

**Answer Briefly**

**(5x2=10)**

5. List two test used to measure stereopsis among preschool Children (3-6 yrs).
6. Explain ROPLAS.
7. List two disease conditions where visual field is reduced.
8. What is the principle behind pinhole.
9. Explain the need for measuring inter pupillary distance.

**Fill in the Blanks**

**(5x1=5)**

10. \_\_\_\_\_ visual acuity chart cannot be used in various distances.
11. Tear film break up time of greater than \_\_\_\_\_ secs is considered normal.
12. Hirschberg test shows one of the reflex at the limbal margin, \_\_\_\_\_ prism diopter is the estimated deviation.
13. A young child with significant exophoria would mostly have \_\_\_\_\_ refractive error.
14. A patient with visual acuity of 6/60 for distance and a near acuity of N6 would have \_\_\_\_\_ uncorrected refractive error.

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