

**Q.P. Code: 215013 (new scheme)**

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

Second Year B.Sc Optometry Degree Supplementary Examinations April 2017

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

**(2014 scheme)**

**Time: 2 hrs**

**Max marks: 40**

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

**Essay**

**(10)**

1. Discuss the optics of indirect ophthalmoscope and describe the advantages of the same in comparison with the direct ophthalmoscope.

**Short notes**

**(3x5=15)**

2. Describe 90 D lens and its use
3. Enumerate the different types of illuminations used in the evaluation of anterior segment by slit lamp.
4. Discuss the principles and techniques of external eye photography

**Answer briefly**

**(5x2=10)**

5. Describe applanation tonometry
6. Principle of auto refractometer
7. What is keratometry. Enumerate two methods of keratometry
8. RAF (Royal air force) rule
9. Farnsworth Munsell hundred hue test

**Fill in the blanks**

**(5x1=5)**

10. Commonest chart used for assessment of distant visual acuity is -----
11. Mention one macular function test in patients with opaque media -----
12. Mention one orthoptic instrument -----
13. Temporal extent of the normal visual field is ----- degrees
14. Extent of the field assessed with amsler grid is ----- degrees

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