

**Q.P. Code: 216013**

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

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

**Visual Optics**

**(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. Enumerate the ocular changes during accommodation. Write in detail about various methods to calculate the amplitude of accommodation. Write in detail various treatment options of presbyopia.

**Short notes**

**(3x5=15)**

2. Procedure of neutralizing meridians with streak retinoscope
3. Components of Hypermetropia
4. Importance of keratometry readings in clinical practice

**Answer briefly**

**(5x2=10)**

5. An emmetropic eye with near point located at a distance of 10 cm in front of spectacle plane. What is the range and amplitude of accommodation
6. What are the different types of acquired myopia
7. What are the different types of regular astigmatism
8. What do you mean about Vergence of light and conjugate points
9. Define-Depth of focus

**Give precise answer**

**(5x1=5)**

10. Myopic crescent is mostly found in ..... region of optic disc
11. During subjective refraction refinement of cylindrical.....done before.....
12. An uncorrected myopic patient will see letter in .....background clearer in Duochrome test
13. The spherical equivalent of +/-0.25D J.C.C is.....
14. The power of reduced eye is about .....

\*\*\*\*\*