

**Second Year B.Sc Optometry Degree Examinations – November 2016**

**Visual Optics**

**(2014 scheme)**

**Time: 2 hrs**

**Max marks: 40**

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

**Essay** **(10)**

1. Explain streak retinoscopy under following-
  - Procedure
  - Stages of retinoscopy
  - Straddling

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

2. Keratometry
3. Latent, manifest and facultative hypermetropia
4. Clinical features of pathological myopia

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

5. How would you verify the neutralization point during retinoscopy
6. What are the modes of treatment of presbyopia
7. Classify regular astigmatism with one example of each type
8. Define the following terms-
  - Range of accommodation
  - Depth of focus
9. What is pseudo myopia. Which clinical conditions it is seen

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

10. If the spectacle correction is -5.00 DS at vertex distance of 13mm,..... will be the effective power on corneal surface
11. Spectacle magnification is defined as.....
12. "Scissors reflex" during retinoscopy is found in.....
13. The intermediate addition is usually ..... of near addition
14. In the higher degrees of myopia, whole of the posterior pole of the eye herniated backwards resulting in a condition called.....

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