

Second Year B.Sc Optometry Degree Supplementary Examinations April 2017

Visual Optics

(2014 scheme)

Time: 2 hrs

Max marks: 40

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

Essay **(10)**

1. Explain hypermetropia under following -
 - Aetiology
 - Clinical features
 - Treatment.

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

2. Spectacle magnification and relative spectacle magnification
3. Duochrome test
4. Types of retinoscope

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

5. What do you mean by spherical equivalent. Calculate the spherical equivalent of -4.00DS/-0.50DCX45°
6. What are the different surgical options available for treatment of myopia
7. Comment about optical condition in myopia
8. Explain the rule of simple transposition by giving one example
9. Refractive ametropia

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

10. Range of accommodation is defined as.....
11. Diabetes is strongly associated withtype of refractive error shift
12. At birth eye is hyperopic about.....Diopter
13.is an example of with the rule astigmatism
14. Aphakic subjects have.....purkinje images
