**Second Year B.Sc Optometry Degree Supplementary Examinations
April 2018**

Optometric Optics

(2014 scheme)

Time: 2 hrs   Max marks: 40

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

Essay   **(10)**

1. Discuss the importance of centring of lenses in spectacle frames. Describe the method of accurate centring of lenses in spectacles.

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

2. What are important frame measurements. Discuss the importance.

3. Discuss the special spectacles lenses for high myopia.

4. What are iseikonic lenses. Describe the uses of iseikonic lenses.

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

5. What is Prentice's rule. What is its importance.

6. What is base curve. What is its importance.

7. What are crossed prisms and mention its uses.

8. What are the properties of a cylinder.

9. What is lensometer. What are its applications.

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

10. Transpose into its alternate form +2.00 DS / -3.00 DC x 150.

11. Lens clock is used for _____

12. Focal line is forming in .... type of lenses.

13. .... is an example of cement using in spectacle industry.

14. Edge thickness is more in .... lens power.

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