

QP Code: 227013

Reg. No:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations  
February 2020**

**Optometric Optics  
(2016 Scheme)**

**Time: 2 hours**

**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. Describe the parts of a spectacle frame with the help of a neat figure and explain the boxing system.

**Short Notes**

**(3x5=15)**

2. Polycarbonate lenses
3. Aspheric lenses
4. What are ghost images. Describe each type of ghost image with the help of diagrams.

**Answer Briefly**

**(5x2=10)**

5. Describe tarnish and greyiness lens defects
6. Brief on the heat absorbing lenses
7. Describe the symmetric design in progressive addition lenses
8. WHAT IS ROTARY PRISM. LIST DOWN FOUR USES OF IT.
9. What is recumbent prism. What is the ideal basal angle for recumbent prism.

**Give Precise Answer**

**(5x1=5)**

10. Frames that are suitable for use as safety glasses must have \_\_\_\_\_ code written on them
11. When lightning strikes a bed of dry sand, the natural glass formed due to fusing of sand is \_\_\_\_\_
12. What is the focal length of the lens of power -3.50DS.
13. TRANSPOSE THE PRESCRIPTION INTO ONE OF ITS ALTERNATE FORM :PLANO/+5.50DC x 135".
14. Name two glass cements.

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