

**B.Sc. (HONS.) IN OPTOMETRY AND OPH.TECH.**

**Term-End Examination**

**June, 2014**

**BOS-012 : LOW VISION**

*Time : 3 hours*

*Maximum Marks : 70*

*Note : Attempt any seven questions. Each question carry 10 marks.*

1. Define Low vision. Enumerate the various causes of low vision. 2+8
  
2. Explain "magnification calculation" methods required for prescribing Low vision devices for distance and near. 10
  
3. Describe the different guidelines to be followed while prescribing near Low vision optical aids. 10
  
4. Write short notes on : 5+5
  - (i) Non optical aids in low vision
  - (ii) CCTV

5. Explain the optics, advantages and disadvantages of 'Telescopes' for distance. **10**
6. A Galilean Telescope has an objective lens of +20 D and an ocular lens of -40 D. Find out the: **5+5**
- (a) Magnification of telescope
  - (b) Focal length of the tube
7. (a) Write the magnification required to read 1M print if the near vision is 4M at 25 CM. **5+5**
- (b) A spectacle magnifier is of 24D. Find out the magnification.
8. Write in detail the various steps of examination of a Low vision patient. **10**
9. How will you manage a case of low vision who is 24 yrs. old male with Heredomacular degeneration and BCVA of 6/36 in the better eye, Complaining of difficulty in vision for distance and near and software professional by occupation. **10**

10. Write short notes on :

5+5

- (a) Blind school
- (b) Rehabilitation services in India.

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