

01455

**B.Sc. (HONS.) IN OPTOMETRY AND  
OPHTHALMIC TECHNIQUES**

**Term-End Examination**

**June, 2012**

**BOS-012 : LOW VISION**

*Time : 3 Hours*

*Maximum Marks : 70*

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**PART - A**

Attempt *any four* questions. Each question carries  
10 marks :

**10x4=40**

1. Enumerate common ocular disorders leading to low vision. Describe any two of them in detail.
2. Name various optical devices used for distance. Describe telescopic lenses in detail.
3. Describe in brief the various methods of distance visual acuity assessment in low vision patients.
4. A telescope is composed of a + 10D objective lens and a - 20D ocular lens. The system is focussed for infinity by an emmetropia patient. Determine the following :
  - (a) The magnification of telescope
  - (b) The type of telescope
  - (c) The tube - length
5. Describe the importance and methods of improving the rehabilitation services for low vision patients.

## PART - B

Attempt *any six* questions. Each question carries  
5 marks. 5x6=30

6. Describe the linear magnification provided by a convex lens.
  
7. A person with low vision can read 2M line on sloan chart with the help of +3D lenses. Calculate the power required to read 1M line.
  
8. Describe in brief the Electro-optical devices used for low vision.
  
9. Define "Low Vision". Discuss the categories of low vision depending on visual acuity.
  
10. Explain the disadvantages of magnification.
  
11. Describe the advantages and disadvantages of hand-magnifiers.
  
12. Describe the glare-control devices.
  
13. Describe the methods for improving contrast sensitivity.

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