

00414

**B.Sc. (Hons.) IN OPTOMETRY AND
OPHTHALMIC TECHNIQUES (BSCHOT)**

Term-End Examination

June, 2015

BOS-012 : LOW VISION

Time : 3 hours

Maximum Marks : 70

PART - A

Attempt **any four** questions. Each question carries **10** marks. **10x4=40**

1. Define Low Vision. Describe the importance of management of low vision and its impact on society.
2. Describe any two ocular conditions leading to low vision.
3. Define Electro-optical Devices. Describe any two electro-optical devices.
4. A telescope is composed of a +10 D objective lens and a -20 D ocular lens. The system is focused for infinity by an emmetropic patient. Determine the following :
 - (a) Magnification of telescope.
 - (b) Type of telescope and its tube - length.
5. Enlist various low vision devices for near. Describe any two in detail.

PART - B

Attempt **any six** questions. Each question carries 5 marks.

5x6=30

6. Describe linear magnification provided by a convex lens.
7. Enlist the advantages and disadvantages of telescopes.
8. Explain the importance of counselling of parents and teachers of low vision children.
9. Write a short note on Contrast Sensitivity.
10. Describe the role of illumination in the management of low vision.
11. Write a short note on glare control.
12. A person with low vision can read 2M line on sloan chart with the help of +4D lens. Calculate the power required to read 1M line.
13. Describe in brief the devices for field enhancement.
