

00293

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

Term-End Examination

December, 2012

BOS-012 : LOW VISION

Time : 3 Hours

Maximum Marks : 70

PART - A

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

10x4=40

1. Describe the various tests and procedures used for examination of a low vision patient.
2. Describe various Non - Optical Devices used for helping the low vision cases.
3. A Telescope is composed of a +20 D objective lens and a -40 D ocular lens. The system is focussed for infinity by an emmetropic patient. Determine the following :
 - (a) The magnification of telescope
 - (b) The type of telescope
 - (c) The tube - length
4. Describe the various methods of Near Visual Activity assessment in low vision patients.
5.
 - (a) Enlist the optical devices used for wear
 - (b) Describe hand magnifiers and their uses
 - (c) What are the advantages and disadvantages of hand magnifiers ?

PART - B

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

5x6=30

6. Describe in brief the impact of visual impairment on an individual.
 7. Enlist the common ocular disorders leading to peripheral field loss. Describe the problems faced by a patient due to peripheral field loss.
 8. A 50 yr old emmetropic patient has low vision. He can read 3m line from 40cm with +2.5 D lenses on sloan chart. Calculate the power required to read 1m line.
 9. Describe in brief CCTV as a low vision device.
 10. Discuss the uses, advantages and disadvantages of stand - magnifiers.
 11. Describe the Pin-hole spectacle
 12. Enumerate the methods for improving the contrast sensitivity.
 13. Describe the glare - control devices.
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