

00444

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

Term-End Examination

June, 2017

BOS-012 : LOW VISION

Time : 3 Hours

Maximum Marks : 70

SECTION - A

Attempt any three. Each carries 10 marks. 10x3=30

1. Define low vision. Enlist main causes of low vision. Differentiate between low vision blindness and disability.
2. Enlist various optical devices for near. Explain the optics, magnification calculations and patient instructions of spectacle magnifiers.
3. A 12 year old school going boy having Retinitis pigmentosa with prescription
RE : $-1.0 / -1.50 \text{ DC} \times 180^\circ - 6/18$
LE : $-2.0 / -1.50 \text{ DC} \times 180^\circ - 6/36$
and 20° Tubular visual field is referred for low vision. How will you work up and manage this case ?
4. What are non optical devices ? Describe in brief about each of them.

SECTION - B

Write short note on **any eight**. Each carries
5 marks.

5x8=40

- (a) Angular magnification
 - (b) Telescopes
 - (c) Patient instructions for use of stand magnifier
 - (d) LOGMAR Charts
 - (e) Basic low vision set
 - (f) Retinoscopy principles in low vision patients
 - (g) Electronic low vision devices
 - (h) Complaints of central field loss in low vision patient
 - (i) Contrast enhancement for low vision patient
 - (j) Rehabilitation of patient not improving with low vision devices
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