

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

Term-End Examination

December, 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. Describe the key points of low vision case history, to identify the needs of a low vision patient.
2. A 60 year old male retired Bank Officer suffering from ARMD is referred for low vision. His present VA status is RE : +2.0 DS/ +2.0 × 180 – 6/60
LE : +2.0 DS/h – 6/24
Near add. @ +3.0 DS/h – N/36 and add LE : +3.0 DS/h – N/24. His visual fields show central field loss. How will you evaluate and manage this case ?
3. Describe the visual acuity assessment for distance and near of a low vision patient. Enlist the key points in refraction and spectacle prescription.
4. Write in detail about telescopes as low vision device including their types, indications, advantages and disadvantages. Discuss the instructions given to the patient while dispensing telescopes.

SECTION - B

Write short notes on any eight (8). Each carries five marks.

5x8=40

- (a) Biopic Telescope
 - (b) Hand magnifiers
 - (c) Spectacle magnifiers
 - (d) Electronic Low Vision devices
 - (e) Non optical devices
 - (f) Management of glare in low vision patients
 - (g) Rehabilitation of low vision child
 - (h) Components of a basic low vision evaluation kit
 - (i) Rehabilitation of visually impaired patient not improving with low vision devices
 - (j) Environmental modifications for Low Vision Patients
 - (k) Magnification calculation for near
-