



Name :

Roll No. :

Invigilator's Signature :

CS/B.OPTM/SEM-5/BO-505/2012-13

2012

LOW VISION AID & VISUAL REHABILITATION

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP - A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following :
 $10 \times 1 = 10$

i) Bar magnifier increases the object size in

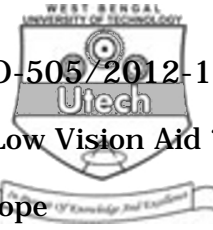
- a) vertical meridian b) horizontal meridian
c) in both meridians d) none of these.

ii) Angular magnification is the principle of

- a) stand magnifier b) CCTV
c) bar magnifier d) Galilean telescope.

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[Turn over



- viii) Which of the following is a Non-Optical Low Vision Aid ?
- a) Euthyscope b) Typoscope
c) Visuoscope d) Projectoscope.
- ix) The ideal Test Distance for MN Read Chart is
- a) 16 cm b) 33 cm
c) 1 metre d) 40 cm.
- x) Colour Vision Test with Ishihara chart should classically be done in
- a) incandescent light b) fluorescent light
c) good daylight d) tungsten bulb light.
- xi) Pinhole contact lens cannot be used as LVA in
- a) albinism
b) aniridia
c) central corneal leucoma
d) all of these.

GROUP - B

(Short Answer Type Questions)

Write short noes on any *three* of the following.

$$3 \times 5 = 15$$

2. Log Mar Chart.
3. Fresnel Lenses.
4. Glare Control Device.
5. Reverse Telescope.

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GROUP - C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

6. What is magnification ? Briefly describe about Relative Size Magnification with suitable diagram & example. Write in brief a comparative analysis of advantages and disadvantages of Galilean & Keplerian Telescope.

What simple modification one can make on a Keplerian Telescope to make it more acceptable to Low Vision patient ?

$2 + 6 + 6 + 1$

7. Define rehabilitation. How will you do "Functional orientation and mobility evaluation" in a case of Low Vision patient ? Write in brief about the "Pinhole devices as LVA". $2 + 8 + 5$

8. Define low vision. Classify low vision according to WHO. Describe importance of history taking in low vision testing. Write down the role of optometrist in low vision.

$3 + 4 + 5 + 3$

9. Describe amsler grid testing & its implication on low vision magnification. Describe one method of contrast sensitivity testing. $10 + 5$

