

B.Sc. OPHTHALMOLOGY

Term-End Examination

June, 2010

BOS-012 : LOW VISION

Time : 3 hours

Maximum Marks : 70

PART - A

Attempt *any four* questions. Each question carries

10 marks :

4x10=40

1. Enlist common eye disorders leading to low vision. Describe any two in detail.
2. Define Telescope. How will you differentiate between Galilean and Keplerian Telescope ?
3. Define magnification and describe the types of magnification.
4. A telescope is composed of a +30 D objective lens and a +50 D ocular lens. The system is focused for infinity by an emmetropic patient, determine the following :
 - (a) The magnification of Telescope.
 - (b) The type of Telescope.
 - (c) The tube length.
5. Enlist the distance low vision devices. Explain in brief the advantages and disadvantages of each.

PART - B

Attempt *any four* questions. Each question carries

5 marks :

4x5=20

6. Write short note on CCTV.
7. Define ocular Debinism. Describe the problems and their management.
8. If a lens gives magnification of four times. What will be the power of the lens ?
9. Describe in brief the stand magnifier.
10. Describe the methods of assessment of near visual acuity for low vision.

PART - C

Attempt *any five* questions. Each question carries

2 marks :

5x2=10

11. Functional Vision.
 12. Typoscope and its uses.
 13. Contrast Sensitivity Charts.
 14. A bulb of 200 watt is placed at a distance of two feet from the surface. Calculate the luminance.
 15. Colour Vision.
 16. Enlist the important factors affecting visual acuity.
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