

Time: Three Hours

Max. Marks: 100 Marks

LOW VISION AIDS AND GERIATRIC OPTOMETRY (RS-4)

Q.P. CODE: 3351

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary



LONG ESSAYS (Second Question Choice)

2 x 10 = 20 Marks

1. A 48 year old male patient complains of gradual painless diminished vision for distance and near in both eyes for 5 years. He was unable to move around at night since the last 15 years. He was diagnosed to have retinitis pigmentosa in both eyes. There was no record of glass or previous eye examination. BCVA (OD): 0.3 LogMAR, NV 1m@25cm. (OS):0.7LogMAR, NV:1.25m@25cm
How will you manage this case?
2. Explain gerontology. Briefly mention the steps of geriatric ocular examination
OR
Describe the Amsler grid testing and its impact on low vision management

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Comparison of Galilean and Keplerian telescope
4. Write short note on assistive devices used for low vision patients
5. Write short note on Galilean telescope and draw the optics
OR
Briefly explain the importance of selecting low vision devices
6. Describe rehabilitation of children with low vision
7. Write short note on genetic counselling in low vision rehabilitation
8. Describe glare controlling devices
9. Write a short note on geriatric dispensing
10. Describe the function of low vision rehabilitation counselor
OR
Briefly explain the equipment required for the Low vision clinic
11. Short note on age related changes in cornea and eyelid
12. Briefly explain about colour vision testing in low vision patients

SHORT ANSWER

10 x 3 = 30 Marks

13. Absorptive lenses
14. BCVA 6/60 to get 6/12 how much magnification required in telescope
15. Write two advantages of electronic magnifier over optical magnifier
16. In moderate Alzheimer disease what type of low vision devices will be useful
17. Enlist near optical devices used in low vision patient
18. Rehabilitation of a patient with albinism
19. Refractive changes due to uveitis
20. Describe the pinhole spectacle
21. Relative distance magnification
22. Baily - Lovie chart