

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. Optometry Degree Examination – 30-May-2024

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 20 years old male patient complains of diminished vision for distance and near in both eyes since 3 years. He was unable to see black board and television clearly. He was diagnosed with macular degeneration in both eyes
BCVA (OD): 1.0 Log MAR, (NV):0.8M@20cm, (OS):1.1 LogMAR (NV):0.8M@20cm. Explain on the workup, assessments, diagnosis and management option
2. Dispensing contact lens and spectacles in geriatric age group
OR
Briefly explain optometric examination of the geriatric population

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Briefly explain near add calculations done in LVA
4. Describe problem associated with the aging process
5. Briefly explain low vision assessment of the older people
OR
Short note on categories of low vision
6. Briefly explain contrast sensitivity assessment in low vision patient
7. Short note on radical retinoscopy with example
8. Describe structural changes of lid due to old age
9. Describe near vision devices used in low vision patients
10. Short note on Amsler grid chart
OR
Write a short note on guidelines and training to use various low vision aids
11. Write a short note on age related changes in spherical ametropia
12. Briefly about magnification in telescope

SHORT ANSWER

10 x 3 = 30 Marks

13. Enlist common eye disorder leading to low vision
14. WHO definition of low vision
15. Define legal blindness
16. Refractive changes due to DM
17. Importance of BI prism in spectacle magnifier
18. Kestenbaum's rule
19. Clinical presentation of glaucoma
20. Fresnel prism
21. Neurological changes associated with aging
22. Biopic telescope
