

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**III Year B.Sc. Optometry Degree Examination – 20-May-2025**

**Time: Three Hours**

**Max. Marks: 100**

**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. Elaborate the guidelines to determining, magnification and selecting low vision aids for distance and near
2. Types, etiology, signs, symptoms and management of Glaucoma  
**OR**  
Write in detail about corneal and lenticular changes in eye due to age

**SHORT ESSAYS (Question No 5 & 10 choice)**

**10 x 5 = 50 Marks**

3. Write about geriatric contact lens dispensing
4. Write about BRVT chart
5. Write about high-plus addition lens in low vision patients  
**OR**  
Explain the importance Speech synthesizer and talking books
6. What is ROP? Mention its stages
7. Write about the causes of low vision
8. Explain the JND with one example?
9. Why measuring contrast sensitivity important in low vision patient? How do you manage patient with low contrast sensitivity?
10. Write the refraction technique in low vision patient  
**OR**  
Write a note in visual fields management procedures in low vision patients
11. Write the types, signs, symptoms and management of Age-Related Macular degeneration
12. What is eccentric fixation? Write the procedure in detail

**SHORT ANSWER**

**10 x 3 = 30 Marks**

13. Amsler grid
14. Write about changes in lids due to age
15. Name to condition causes central field defects
16. Angular Magnification
17. Mobility cane and Google maps
18. Notex and signature guide
19. Relative distance magnification
20. Calculate the required magnification for distance vision: Distance BCVA is 20/200, target VA is 20/40
21. What is economical blindness?
22. Fibre-Tipped pens