

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**III Year B.Sc. Optometry Degree Examination - 13-Nov-2024**

**Time: Three Hours**

**Max. Marks: 80 Marks**

**LOW VISION AIDS AND GERIATRIC OPTOMETRY – (RS-3)**

**Q.P. CODE: 3121**

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

**LONG ESSAYS (Answer any Three)**

**3 x 10 = 30 Marks**

1. Enumerate the optics, uses, advantages and disadvantages of optical devices
2. Enumerate common disorders leading to low vision
3. Explain low vision rehabilitation in our country
4. A 62-year-old female has come she has been diagnosed with age related macular degeneration. Write in detail about problems and management

**SHORT ESSAYS (Answer any Six)**

**6 x 5 = 30 Marks**

5. Types of magnifications with examples
6. Visual acuity assessment in low vision
7. Corneal opacity management
8. Explain eccentric viewing strategies
9. Refractive error changes in old age
10. Common vascular disorders in old age
11. Physiological and pathological changes happening in crystalline lens in geriatric population

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. Calculate the magnification and tube length of telescope with objective lens power of +40.00 DS and eye piece power of + 15.00 DS
13. Null point in nystagmus and its importance in low vision management
14. Notex
15. What is JND?
16. Write two causes of color vision defect
17. Define lo vision rehabilitation
18. Any two methods of dominant eye testing
19. Why BI prisms are used in spectacle magnifier?
20. Clinical sign of glaucoma
21. Management of presbyopia

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