

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Optometry Degree Examination – 04-Jun-2024

Time: Three Hours

Max. Marks: 100 Marks

VISUAL OPTICS (RS-4)
Q.P. CODE: 3347

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. Explain on Retinoscopy – optics, principle, types and techniques. Brief on dynamic retinoscopy
2. Write briefly on contrast sensitivity include its measurement methods and describe any one method

OR

Write on the steps of subjective retraction

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Clinical features of Hypermetropia
4. Short note on phoropter
5. Short note on temporal and spatial resolution

OR

Short note on factors affecting contrast sensitivity

6. Write on presbyopia and its management
 7. Spectacle magnification
 8. Cycloplegic refraction
 9. Measurement of convergence
 10. Recognition acuity with example
- OR**
- Resolution acuity with example
11. Astigmatism and its type
 12. What is pseudomyopia and brief on treatment modalities of myopia?

SHORT ANSWER

10 x 3 = 30 Marks

13. Bell retinoscopy and Nott retinoscopy
14. Charts used for near vision assessment
15. Principle of LogMAR chart
16. Refractive index of cornea and crystalline lens
17. Depth of focus
18. What is tonus allowance?
19. Pathological myopia
20. Jackson cross cylinder
21. Transpose + 2.75/+0.75*25
22. SRK formulae
