

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Optometry Degree Examination – 13-Nov-2025

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. Write in detail about etiology, clinical features, types and management of Astigmatism
2. Write in detail about the drugs used in refraction and the procedure of Cycloplegic retinoscopy

OR

What is Vergence? Write about the anomalies of convergence

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Optical aberration of eye
4. Factors effecting visual acuity
5. Component of Hypermetropia

OR

JCC

6. Cardinal points and far points of eye
7. Uses of Prisms in ophthalmology
8. Duochrome test
9. Pseudophakia
10. OKN test

OR

CSM test

11. Binocular balancing
12. Emmetropization

SHORT ANSWER

10 x 3 = 30 Marks

13. RAF ruler
14. Transpose plano/-1.25 DC* 125
15. Facultative Hypermetropia
16. Astigmatic fan
17. Sturm's conoid
18. Depth of focus
19. Tentative addition based on age in presbyopia
20. Axes and angles of eyeball
21. Aniseikonia
22. Phoropter
