

# 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

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