

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Optometry Degree Examination – 12-May-2026

Time: Three Hours

Max. Marks: 100 Marks

CEVS AND OPTOMETRIC INSTRUMENTS (RS-4)

Q.P. CODE: 3348

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 the different procedures for assessing the color vision along with their indications, contraindications, procedure and interpretations
2. What is a direct ophthalmoscope? Explain its optics, procedure and uses. Mention the differences between direct and indirect ophthalmoscope

Or

Explain Electroretinogram along with its instrumentation, procedure and uses

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. B-scan ultrasonography and its indication
 4. Explain the interpretation indices of a Humphrey Visual field analyzer
 5. Explain Amsler grid test
- Or**
6. Explain D-15 test
 7. Explain confrontation test
 8. What are the tests done for assessing a ptosis patient?
 9. What is potential acuity meter? Explain its indications, contraindications and procedure
 10. Explain the assessment of anterior chamber in a slit lamp
 10. Explain different slit lamp illumination techniques

Or

What are the different filters present in the slit lamp mention its uses?

11. What are the different phases of Fundus fluorescence angiography?
12. Explain the optics of retinoscope. What are the different types of retinoscope?

SHORT ANSWER

10 x 3 = 30 Marks

13. Differences between manual and automatic keratometry
14. Two types of colour arrangement test
15. Phoropter
16. Draw a normal A-scan graph
17. Placido disc
18. RAF ruler
19. Transpose to negative spherocylindrical format
 - a) - 4.00 DC x 90 / - 7.50 DC x 180
 - b) + 5.25 DC x 140 / + 6.50 DC x 50
 - c) - 1.25 DC x 155 / + 3.75 DC x 65
20. Phases of fluorescein angiography
21. Hirschberg test
22.
 - a) $K_1 = 42.50 \times 180$
 - b) $K_2 = 43.5 \times 90$Mention the type of astigmatism and calculate the amount of astigmatism
