

Rajiv Gandhi University of Health Sciences, Karnataka

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

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. What is visual acuity? What are the differences between Snellen and Bailey Lovie charts? Explain how you are going to construct a log MAR chart.
2. Principle and clinical procedure of ultrasonography. Differentiate A scan from B Scan.

OR

Write instrumentation theory of fundus fluoresce in angiography. Explain the stages of FFA.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. How will you take history in a patient presented with defective vision?
 4. Write a note on EOG.
 5. Write a note on tangent screen visual field testing.
- OR**
- Outline the methods of examination of pupil.
 6. Write short note on various components of Pentacam report.
 7. Write short note on confrontation technique. Explain the diagram drawing of confrontation.
 8. Different types of Gonioscopes and its advantages.
 9. Explain the theory of using Pseudochromatic test plates to check color vision.
 10. Compare direct and indirect Ophthalmoscopy.

OR

- Aberrometer principle and clinical uses.
11. Non contact lenses for fundus examination.
12. Briefly explain optical principle of Lensometer.

SHORT ANSWER

10 x 3 = 30 Marks

13. Describe the uses of B scan
14. Name the Piezoelectric crystal in ultrasound.
15. State Imbert - Fick law.
16. Scheiner's principle
17. Write the origins of ERG waves.
18. What is Riddoch Phenomenon of visual field?
19. Name the pediatric visual acuity charts.
20. Write power range of keratometer, what is extended Keratometry?
21. What is the use of Amsler grid?
22. Mention the differences between a 30-2 and 24-2 HVF test programme.
