Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Optometry Degree Examination – 12-Nov-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 color vision testing devices under the following heading – principle, design and interpretation

2. Explain the instrumentation, characteristics and clinical procedure of indirect ophthalmoscope

   Or

   Write in detail about the optics and various illumination techniques of slit lamp along with its uses

SHORT ESSAYS (Question No 5 & 10 choice) **10 x 5 = 50 Marks**

3. What is B Scan? Explain its procedure and clinical uses
4. Explain ERG with its principle and usage
5. Write short note on various component of posterior OCT report

   Or

   Differentiate between relative and absolute scales in the curvature map of corneal topography system
6. How does pediatric history taking differs from adult history taking? Explain
7. Write the principle of placid disc. Mention the instrument name using this principle
8. Explain non Badal principle. Write about its advantages and disadvantages
9. What is optometer principle? Explain the instrument working on this principle
10. Explain the instrument to check field of vision

    Or

    Explain optics of retinoscope
11. Short note on indirect gonioscopy
12. Write in detail on Schiotz tonometer

SHORT ANSWER **10 x 3 = 30 Marks**

13. Vision analyzer
14. Preferential looking charts
15. Different types of Amsler's chart
16. List the accessories of slit lamp
17. Principle of indirect ophthalmoscope
18. SWAP
19. Name the dye used in FFA. What are its benefits?
20. Javal Schiotz Keratometer
21. Pupilometer
22. Principle of Aberrometer

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