

# Rajiv Gandhi University of Health Sciences, Karnataka

## III Year B.Sc. Optometry Degree Examination - 21-Nov-2025

**Time: Three Hours**

**Max. Marks: 100 Marks**

### **Pediatric Optometry, Binocular Vision & Advances in Optometry (RS-4)**

**Q.P. CODE: 3358**

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. Define stereopsis. What is the basic principle of any stereopsis test? Explain any four test used for measuring stereopsis?
2. Describe accommodative Esotropia, types, etiology, clinical features and treatment.

**OR**

A 40 year old man presents with sudden onset of a drooping left eyelid. When he lifts the lid with his finger he notices that he has double vision. He has a severe headache. He is otherwise fit and well with no past ophthalmic history. He is on no regular medication. There is no family history of medical problems.

- a) What nerve palsy is present?
- b) What is the most likely cause?
- c) What is the management?

#### **SHORT ESSAYS (Question No 5 & 10 choice)**

**10 x 5 = 50 Marks**

3. Types, signs, symptoms and treatment options for Duane's Retraction syndrome.
4. Write a note of the following a) Horopter b) Normal and abnormal retinal correspondence point.
5. List all prenatal, perinatal and postnatal factors of a pediatric patients medical ocular history.

**OR**

Write a note of the lateral rectus palsy's muscle sequelae.

6. Explain the four essential laws of ocular motility in a few words.
7. List the five clinical distinctions between paralytic and non-paralytic strabismus.
8. Write a note on Dissociated vertical deviation.
9. Types of Duane's retraction syndrome and its management.
10. Write a note on Bielschowsky head tilt test.

**OR**

Write briefly about congenital glaucoma.

11. Indication of recurrent stye in pediatric age.
12. Explain congenital disorder of lacrimal system.

#### **SHORT ANSWER**

**10 x 3 = 30 Marks**

13. See-Saw nystagmus.
14. Purpose of Hirschberg's corneal reflection test.
15. Retinomotor value of fovea.
16. Signs of 3<sup>rd</sup> cranial nerve palsy.
17. Name two commonest eye Lid's structural abnormalities seen in pediatrics.
18. List two differential diagnosis of Brown's syndrome.
19. Write on past pointing test.
20. Accommodative Insufficiency.
21. Examples for yoke muscles.
22. What are the units of convergence?

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