

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**III Year B.Sc. Optometry Degree Examination – 06-Dec-2023**

**Time: Three Hours**

**Max. Marks: 100 Marks**

**PAEDIATRIC OPTOMETRY, BINOCULAR VISION AND  
ADVANCED 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. Write in detail the classification and etiological factors of neuromuscular anomalies
2. Explain grades of BSV with an example. Explain Panum's area

**OR**

A patient with RE hypertropia, right head tilt and right face turn refer to binocular vision clinic. Find out the paralytic muscle by using park three step test with explanation

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

**10 x 5 = 50 Marks**

3. Describe the procedure of WFDT and its clinical significance
  4. Explain the paediatric spectacle dispensing
  5. Mention the advantages and disadvantage of ARC
- OR**
6. Explain briefly the clinical features and management of accommodative infacility
  6. Mention the clinical features and management of accommodative esotropia
  7. Explain the correlation of AC/A ratio with different types of squint and refractive error
  8. Describe the laws present in binocular vision
  9. Provide the procedure of NRA and PRA. Mention normative value of NRA-PRA
  10. Explain A & V phenomenon in detail

**OR**

Components of paediatric history taking

11. Write in detail the Bagolini striated glass test
12. Explain the clinical features of primary congenital glaucoma

**SHORT ANSWER**

**10 x 3 = 30 Marks**

13. Write the clinical features and management of musculofacial anomalies
14. Mention clinical features and management of congenital muscle fibrosis
15. Teller acuity test vs carditt acuity cards
16. Mention the clinical features of Brown's superior oblique sheathe syndrome
17. Explain strabismus fixus
18. Cycloplegic refraction in paediatric practice
19. Theories of binocular vision
20. List the different methods of measurement of AC/A ratio
21. Explain motor fusion with example
22. Sensory adaptations

\*\*\*\*\*