Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Optometry Degree Examination - 28-Nov-2024

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. Give a short note on indication of wearing spectacles in pediatric age group. Frame selection for pediatric age group.

2. What is diplopia? Describe the investigations and intervention done in a case of diplopia.
   OR
   In convergence insufficiency: a) What symptoms would you except the patient to report? b) What binocular vision findings whould indicate the presence of this condition c) What forms of treatment would you consider?

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

3. Write a note on cycloplegic refraction.
4. Describe about APGAR scoring.
5. Define binocular vision. Give its prerequisite, advantages and test to asses it.
   OR
   What are the spectacle prescription guidelines in Hypermertopic pediatric group?
6. Types of Duane's retraction syndrome and its management.
7. Indications of recurrent stye in pediatric age.
8. Explain TNO test.
9. Brown syndrome.
10. Why does a presbyopes seldom complain of asthenopia accompanying near work in spite of presence of a high exophoria at near?
    OR
    Explain the effect of diagnostic occlusion on ocular alignment in normal subject
11. Write brief on contact lens materials used in pediatric patients.
12. Short note on neural aspects of binocular vision.

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

13. Which of the tests does not assess negative Fusional vergence?
14. Pleoptics.
15. Muscle pulley and angle of anomaly.
16. What is AC/A ratio and how will you do the procedure.
17. Nutritional amblyopia.
18. Laten hypermetropia.
19. Aneisokonia.
20. CAM visual stimulator.
21. Explain cover uncover test.
22. A patient is viewing a target at 30cm while you perform the cover test. The distance phoria is 2 esophoria and the patients IPD (Inter Pupillary Distance) is 65 mm. The AC/A ratio is 4/1. Predict the phoria at near.

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