Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.Sc. (Nursing - Basic) Degree Examination – Mar 2013

Time: Three Hours   **Max. Marks: 100 Marks**

Visual Optics

Q.P. Code : 1632

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Four)   **4 x 10 = 40 Marks**

1. Describe in details static and dynamic retinoscopy with examples

2. Define ametropia, define hypermetropia and write down its classification and treatment.

3. Define astigmatism and explain JCC and Astigmatic fan in details.

4. Write in details about the steps involved in subjective refraction with its importance.

5. Define accommodation and describe the relation between accommodation and convergence

SHORT ESSAYS (Answer any Eight)   **8 x 5 = 40 Marks**

6. Write a short note on contrast sensitivity

7. Write a note on corneal curvature and thickness

8. Define anisometropia and anisokonia and its treatment

9. Describe steps involved in binocular balancing

10. Write a short note on depth of focus and depth of field

11. Write any 5 points differentiating axial and refractive ametropia

12. Write in short about schematic and reduced eye

13. Describe various methods used to measure convergence

14. Write a short note on transposition with examples

SHORT ANSWERS   **10 x 2 = 20 Marks**

15. Define near point of accommodation and convergence

16. Define sturms conoid with diagram

17. What are purkinge images

18. Write any two differentiating factors between ocular and spectacle refraction

19. Define amplitude of accommodation

20. Write any two examples in which you will advice cycloplegic refraction

21. Define spectacle magnification and relative spectacle magnification

22. Describe trial case and write down different accessories present in trial case

23. Define puesdomyopia

24. Define visual acuity

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