

Final year B.Sc. (Nursing - Basic) Degree Examination – Sep 2012

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. Write a note on visual acuity and different methods to record visual acuity
2. Define hypermetropia and explain the classification and treatment of astigmatism
3. Write a note on subjective refraction
4. Define convergence and explain the types and measurement of convergence
5. Write in details about different methods used to diagnose and correct refractive errors

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

6. Write a short note on keratometry
7. Write a note on cover test with examples
8. Write about presbyopia
9. Write a short note on biometry
10. Write a short note on simple and Toric transposition with examples
11. Write a note on classification of astigmatism
12. Explain with diagram spherical refracting surface
13. Write a note on the relation between accommodation and convergence
14. Write a short note on duochrome and WFDT

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

15. Write any 2 tests done for contrast sensitivity
16. Define retinal image blur
17. Define vergence
18. Write about the sign conventions
19. List down the accessories present in trial set
20. Write any 2 differences between axial and refractive ametropia
21. What is radical retinoscopy?
22. Define Magnification
23. Define aphakia and pseudophakia
24. Write 2 uses of cycloplegic refraction
