

Second Year B.Sc Optometry Degree Supplementary Examinations - May 2014

Clinical Examination of Visual Systems & Instruments

Time : 3 hrs

Max marks : 80

- **Answer all questions**
- **Draw diagram wherever necessary**

Essays

(2x15=30)

1. Enumerate different types of tonometers. Describe the techniques, advantages and disadvantages of any two methods.
2. What are the components of vision. How will you assess visual acuity in pre-school children.

Short notes

(5x5=25)

3. How will you take history in a patient presented with defective vision.
4. Examination of lacrimal system.
5. Compare direct and indirect ophthalmoscopy.
6. Humphry field analyzer.
7. Color vision tests.

Answer briefly

(10x2 = 20)

8. Maddox wing
9. Prism bar
10. Phoropter
11. Cross cylinder
12. Duochrome test
13. RAF rule
14. Bjerrum's screen
15. Dynamic retinoscopy
16. Placido's disc
17. Bagolini striated glass

One word answer

(5x1 = 5)

18. One formula for IOL power calculation.
19. Name one indirect gonioscope.
20. One device used for measuring retinal nerve fiber thickness.
21. Instrument used for measuring central corneal thickness.
22. is used for detecting posterior segment pathology in opaque media.
