

**Binocular Vision and Squint**

**Time : 3 hrs**

**Max marks : 100**

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

**Essays**

**(2x20=40)**

1. Narrate about the three grades of binocular vision. Define sensory and motor fusion. Explain in detail about the various types of Duane's retraction syndrome and Brown's syndrome
2. Explain in detail about five different tests used to measure stereopsis. Discuss in detail about A and V pattern strabismus, dissociated vertical deviation

**Short notes**

**(5x5=25)**

3. Differentiate normal and anomalous retinal correspondence
4. Define oculocentric and egocentric visual direction with diagram
5. Various methods to measure AC/A ratio
6. Diagnostic criteria and management options for accommodative spasm
7. How to differentiate dissociated vertical deviation from inferior oblique over action

**Answer briefly**

**(10x3=30)**

8. Veithmuller circle
9. Fixation disparity
10. Ficks axis and listings plane
11. Versions and vergence
12. Physiological diplopia
13. Force duction test
14. Accommodative esotropia
15. Primary and secondary actions of the inferior rectus & inferior oblique muscles.
16. Near vision complex
17. What are the synergist and antagonist for inferior rectus and inferior oblique muscles

**One word answer**

**(5x1= 5)**

18. In Duane's type I there will be limitation of \_\_\_\_\_
19. The power of eyepiece lenses in a synaptaphore is \_\_\_\_\_
20. The surgical procedure of weakening the muscle tension is called \_\_\_\_\_
21. Secondary action of superior rectus is \_\_\_\_\_
22. In sixth nerve palsy there is ----- diplopia"