

**Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore - 641 043
Continuous Internal Assessment I February - 2025
VI Semester**

**Class : III UG
Branch : OPTOMETRY**

**Time : 2 Hours
Max. Marks : 60**

22BOPC38 – Binocular Vision - II

Course Outcomes:

CO1: To Visualize and cater to the needs of patients with special needs and unify diplopia.

CO2: To unravel the course of acquired brain injury and help patients overcome their difficulty.

CO3: To demystify Esotropias.

CO4: To cognify Exotropias.

CO5: To simplify A-V pattern tropias, cyclovertical deviations and special forms of Strabismus.

Part A

Choose the Correct Answer

- | | |
|--|-----------------|
| | 6 x 1 =6 |
| 1. In learning disabilities, the name for mathematical disorder is: | CO1K1 |
| a. Dyspraxia b. Dyslexia | |
| c. Dyscalculia d. Dysphasia | |
| 2. Which of the following is an example of a Specific Learning Disability | CO1K2 |
| a. Mental Retardation b. Dyslexia | |
| c. ADHD d. Autistic spectrum disorders | |
| 3. Most common binocular vision anomaly seen in acquired brain injury: | CO2K2 |
| a. Convergence insufficiency b. Accommodative insufficiency | |
| c. Strabismus d. All the above | |
| 4. Which of the following visual disturbances is commonly seen in patients with acquired brain injury: | CO2K1 |
| a. Diplopia b. Eye strain | |
| c. Photophobia d. Refractive error | |
| 5. Which of the following is a common cause of esotropia in children: | CO3K1 |
| a. Hyperopia b. Myopia | |
| c. Astigmatism d. Strabismus surgery | |
| 6. AC/A ratio is higher in: | CO3K1 |
| a. Non-refractive accommodative esotropia b. Congenital Esotropia | |
| c. Acquired Esotropia d. Divergence insufficiency | |

Part B

3 x 6 = 18

Answer ALL questions

Each answer should not exceed 400 words or two pages

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|--|------|--------------|
| 7.a. Write a short notes on learning disability | (or) | CO1K1 |
| 7.b. Explain any three test for sensory evaluation | | CO3K1 |
| 8.a. Explain the test that quantify the ocular torsion | (or) | CO3K2 |
| 8.b. Discuss briefly about accommodative esotropia | | CO3K2 |

- 9.a. Explain common binocular vision anomalies associated with acquired brain injury (or) **CO2K1**
9.b. Explain briefly about role of optometrist in ABI **CO2K1**

Part C

3 x 12 = 36

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 10.a. Elaborate on Esotropia and its classification (or) **CO3K1**
10.b. Write a note on diplopia charting and give one examples **CO1K2**
11.a. Explain briefly about Hess chart (or) **CO1K2**
11.b. Explain in detail – Acquired Brain Injury **CO2K1**
12.a. Explain the test to quantify strabismus (or) **CO3K1**
12.b. Name the test for accommodation and convergence and explain its purpose briefly **CO3K1**

12 copies

Staff In-Charge: Ms. Nandhini E