

FEDERAL UNIVERSITY OF TECHNOLOGY OWERRI
DEPARTMENT OF OPTOMETRY

2010/2011 HARMATTAN SEMESTER EXAMINATION

OPT 513: ORTHOPTICS

Time: 2^{1/2} hrs.

Instruction: Attempt 4 questions only

- ✓ 1. (a) Describe any one method of determining the horizontal distance phoria of a patient. 15 marks
- (b) Explain the possible causes, signs symptoms and management of basic esophoria 10 marks
2. Discuss the treatment of the following binocular vision anomalies
- (a) Esotropia (b) Exotropia (c) Esophoria (d) Exophoria (e) suppression 5 marks each
3. Write short notes on the following orthoptic techniques/instruments (a) Worth-Four-Dot test (b) Synotophore (c) Diploscope (d) Remy Separator (e) Pleotophore (f) Visuoscope
4. A 14-year old girl presents with complaints of eyestrain, blurred vision, and watery eyes after 10 minutes of reading. The NPC is 20cm with orthoP at distance and 10° exoP at near (40cm). The subjective refraction is -2.00D OD and OS. (IPD=60mm)
- a) Calculate the AC/A ratio.
- b) Give a tentative diagnosis of the binocular vision syndrome and the reasons for your diagnosis
- c) How can this condition be managed.
- ✓ 5. a) Discuss Amblyopia with reference to definition, etiology and management
- b) Mention all the sensory anomalies associated with strabismus.
6. a) Define Orthoptics (b) Mention treatment methods in orthoptics
- (c) Differentiate between orthoptics and vision training
- (d) Discuss the signs, symptoms and management of Divergence Insufficiency.

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