

FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI
 SCHOOL OF HEALTH TECHNOLOGY
 DEPARTMENT OF OPTOMETRY
 HARMATTAN SEMESTER EXAMINATION 2013/2014
 COURSE TITLE: GENERAL OPTOMETRY 1
 COURSE CODE: OPT 405 2 UNITS

ANSWER 4 QUESTIONS, ONE FROM EACH SECTION AND ANY OTHER 2 HOURS

SECTION A

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| 1. | a. Explain briefly how static retinoscopy is performed, stating the conditions that should be present. | 10 | s |
| | b. In performing retinoscopy, if the gross finding is found to be: OD - 2.25 - 0.75 and OS +0.25 - 1.50 x 65, what is the net finding for each eye if the working distance is 1.50 DS. | 5 | s |
| | c. i, Why do we fog the eye during subjective refraction? | 5 | s |
| | ii, Why is the eye not examined during retinoscopy not occluded? | 5 | s |
| 2. | a. i, What is the principle of Duochrome applied during refining of sphere? | 5 | s |
| | ii, What are the two exceptions to the use of duochrome test in refining sphere. | 2 | s |
| | b. Describe the procedure for determining the sphere correction and refining of sphere correction using bichrome test. | 10 | ks |
| | c. i, Mention at least: 6 methods of determining presbyopic addition. | 3 | s |
| | ii, Briefly describe two of them | 5 | s |

SECTION B

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| 1. | How would you perform the following tests: | | |
| | a) Monocular duction tests | 6 | s |
| | b) Near point of convergence | 6 | s |
| | c) Base in vergence at distance | 7 | s |
| | d) Vergence | 6 | s |
| 2. | a) State the procedures for measurement of lateral phoria using the Von Graefe test. | 10 | s |
| | b) When performing this test, give two possible reasons why the patient will report one target and how would you correct it | 5 | s |
| | c) Outline the procedures for performing external examination of the eye | 1 | s |

SECTION C

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| 1. | Name the formats involved in optometric examination. Write on any two | 2 | s |
| 2. | Write briefly on : | | |
| | a. Blood pressure measurement | | |
| | b. Patient - centred Optometry | | |
| | c. Patient Anxiety | 2 | s |