

FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI
SCHOOL OF HEALTH TECHNOLOGY
DEPARTMENT OF OPTOMETRY

2014/2015 HARMATTAN SEMESTER EXAMINATION

Date: 15/04/2015

Course Title: OCULAR ANATOMY 1 Course Code: 303 (3units) Time: 3hrs

INSTRUCTION: Answer a total of FIVE(5) Questions. At least TWO(2), questions from each section on a separate answer booklet.

SECTION A

- 1a) Draw a diagram showing the dimensions of the orbit illustrating the relationship of the orbital walls (10 mks)
- b) Name the bones that form the orbital margin (5mks)
- c) Trace the course of the Oculomotor nerve (5mks)

- 2a) Describe the embryogenesis of the retina as an outgrowth of the brain (10mks)
- b) Explain the neural pathway of the retina (10mks)

- 3a) With the aid of a well-labeled diagram, illustrate the palpebral muscles and glands (10mks)
- b) Discuss the innervations of the Eyelid and its arterial supply (10mks)

- 4a) Discuss the histological features of the conjunctiva.
- b) List the orifices in the orbit and describe in details the contents of any two(2). (10mks)

SECTION B

- 5a) With the aid of a well labeled diagram, explain the layers of the cornea (10mks)
- b) What roles do the fluids of the anterior and posterior chambers play in the maintenance of the crystalline lens? (10mks)

- 6a) Define the iris and illustrate its relationship with the pupil (10mks)
- b) Diagrammatically locate the crystalline lens in the eye and explain the role of the zonular fibres to it (10mks)

- 7) Locate the position of the 5th, 6th, 9th and 10th layers of the retina in a well labeled diagram. Explain their relationship with the origin of the optic nerve. (20mks)