

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

2013/2014 HARMATTAN SEMESTER EXAMINATION

Date: 14/05/2014

Course title: Ocular anatomy 1

Course code: OPT 303

Course unit: 3 units

Time: 3hrs

INSTRUCTION: Answer in all **five** questions with at least **two** questions from each section on a separate answer booklet

SECTION A

1. illustrate
 - (a) The structure of a Crystalline Lens with an aid of a diagram . (12pts)
 - (b) The Anterior and Posterior surface of the iris (8pts)

2. Anatomically describe
 - (a) Blood supply of the choroid. (12pts)
 - (b) The thickness of the sclera (8pts)

3. Explain
 - (a) The layers of the Cornea, (14pts)
 - (b) Nerve supply of the Choroid (6pts)

SECTION B

- 1.a Describe the embryogenesis of the macula lutea from birth to about the 25th week of gestation (10mks)

- bi. Give 5 structural differences between the Rod cells & the Cone cell. (5mks)
- ii. Draw & label a typical photoreceptor cell (5mks)

2. Write short note on the following:
 - a. Vascular supply of the Retina
 - b. Neural connections of the sensory tunic
 - c. Drainage system of the orbital cavity.
 - d. Orbital septum (5mks each)

- 3a. Discuss fully the structures of the Orbital cavity (10mks)
- b. With the aid of a diagram, illustrate the angular relationship of the orbital Walls (10mks)

- 4.a Draw a well-labelled diagram of the eyelid (10mks)
- b. Describe the layers of the tear film (10mks)