

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

2012/2013 RAIN SEMESTER EXAMINATION

Date: 23/01/2014

Course Title: OCULAR PATHOLOGY 11

Course Code: OPT. 402 (2 units)

Time: 2hrs

INSTRUCTION: Answer in all four questions with at least one questions from each section on a separate answer booklet

Section A

1. (a) Describe the nerve fiber distribution in the optic nerve.
(b) Explain the effect (if any) of the following
 - (i) Emboli occlusion of the superior branch of the Central Retinal Artery before it bifurcates.
 - (ii) Open Angle Glaucoma.
2. (a) State the causes of Disorders of the Visual Pathway.
(b) With the aid of the diagram of the Visual Pathway, show the location of the lesion causing the following, also draw the Visual Field defect.
 - (i) Binasal hemianopsia
 - (ii) Homonymous quadrantanopsia
 - (iii) Congrous sector/Partial homonymous hemianopsia
 - (iv) Incongruous homonymous hemianopsia with macular splitting.
 - (v) Unilateral homonymous hemianopsia

Section B

1. Central Retinal Artery Occlusion is one the Ocular Manifestations of the Systemic Diseases. Discuss.
2. (a) Using Acid Burns as a reference point, explain Ocular Emergency.
(b) Outline the Clinical stages of Alkali Burns.

Section C

1. Discuss the etiology, clinical features and the risk factors associated with the following Ocular Disorders:
 - (i) CRVO
 - (ii) Wet Macular Degeneration
 - (iii) Hypertensive Retinopathy
 - (iv) Rhegmatogenous and Non- Rhegmatogenous Retinal Degenerations.
2. Describe the pathogenesis, detection and management of the following:
 - (i) Terson Syndrome
 - (ii) Cytomegalovirus Retinitis
 - (iii) Retinoblastoma
 - (iv) Retinitis Pigmentosa