



**AFRICA
UNIVERSITY**

(A United Methodist-Related Institution)

“Investing in Africa’s Future”

FACULTY OF HEALTH SCIENCES

2015/2016 FIRST SEMESTER EXAMINATIONS

COURSE CODE: SNS 323

COURSE TITLE: ANATOMY

DATE: 27 NOVEMBER 2015, 0900HRS

TIME: 3 hours

INSTRUCTIONS

Answer **any THREE** questions **Each question carries 20 marks.**

The mark allocation for each question is indicated at the end of the question

Credit will be given for logical, systematic and neat presentations.

Total marks: 60

1. With the aid of a diagram, describe the structure of:-
- a) The Plasma Membrane (5)
 - b) Pseudostratified Columnar Epithelium (5)
 - c) The tooth. (5)
 - d) A synovial joint (3)
 - e) What is scoliosis? (2)
- 2) With the aid of a diagram, describe the structure of:-
- a) Cardiac muscle tissue. (5)
 - b) A typical neuron. (5)
 - c) What do you understand by the ductus arteriosus? (3)
 - d) Describe the structure of the kidney. (5)
 - e) What is kyphosis? (2)
- 3a) Describe the structure of the heart (can include diagram). (10)
- b) What are the differences between a chemical and electrical synapse. (5)
- c) What is transitional epithelium and where is it found? (3)
- b) Name the four main skull sutures. (2)
- 4a) Describe the structure of **one** of the following:-**either**;
- i) The Stomach **or** ii) The Pancreas **or** iii) The Uterus (8)
- 4b) What do you understand by the ductus venosus? (3)
- 4c) Describe any type of gangrene. (3)
- 4d) Describe the structure of the small intestine. (6)
- 5a) Describe the structure of **either**:-
- i) The pharynx **or** (10)
 - ii) The Lung (10)
- b) Describe three characteristics of Epithelial tissues. (6)
- c).Describe the structure of the kidney nephron (include diagram). (4)

THE END- BEST WISHES