



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES
DEPARTMENT OF ENVIROMENT & HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR:
DIPLOMA IN COMMUNITY HEALTH AND HIV MANAGEMENT**

DCHM 16S/YEAR 1/ SEMESTER 2

**AAB 2109: ANATOMY AND PHYSIOLOGY II
END OF SEMESTER EXAMINATION**

SERIES: SEPT. 2017

TIME: 2 HOURS

Instructions to Candidates

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions

This paper consists of two printed pages.

Mobile phones are NOT allowed in the examination room

QUESTION 1 30 marks

- a). Define the following terms. **(3marks)**
- i. Absorption
 - ii. Metabolism
 - iii. Catabolism
- b). Explain the formation of the urine under the following sub-headings: **(5 mks)**
- i. Filtration
 - ii. Reabsorption
 - iii.** Secretion.
- c). Briefly explain the functions of Pericardium of the heart. **(5 mks)**
- d). State the External stimuli that disrupt homeostasis. **(4 mks)**
- e). Explain three physiological functions of the skin. **(3 mks)**

f).Outline the three (3) Menstrual disorders. (3mks)

g).State components of blood and their functions. (3 mks)

f).Briefly explains the physiology of Fever. (4 mks)

QUESTION 2

a. Briefly explain the physiological functions of Sertoli cell found in the reproductive system (5 mks)

b. Describe *four* (4) functions of Uterine Tube. (4 mks)

c. Describe the physiology of breast as far as milk production and milk let-down is concerned. (6 mks)

QUESTION 3

a).Briefly explain the following terms: (6 mks)

- i. Endometriosis
- ii. Vaginal Candidiasis
- iii. Cervical Cancer

b).Discuss Pathophysiology of Vaginal Candidiasis under the headings:

- i. Risk factors
- ii. Signs and Symptoms
- iii. Prevention and Control Management. (9 mks)

QUESTION 4.

a). Explain the principle of Negative Feed Back Mechanism. (4 mks)

b).Describe the Location and functions of Neurotransmitters in the CNS. (11 mks)

QUESTION 5

Under endocrine system, discuss the following disorders.

a. Hyperparathyroidism. (7 mks)

b. Hypoparathyroidism. (8 mks)