

TECHNICAL UNIVERSITY OF MOMBASA
FACULTY OF APPLIED AND HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DIPLOMA COMMUNITY
HEALTH

DCH 16M/YEAR 1/ SEMESTER2

AAB 2109: Human Anatomy and Physiology II

SEMESTER EXAMINATIONS

SERIES: DECEMBER 2016

TIME: 2 HOURS

Paper 2

Instructions

You should have the following for this paper

- Answer booklet

This paper consists of FIVE questions.

Answer Question **ONE (compulsory)** and any other **TWO** questions.

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Question ONE (Compulsory)

- i) Outline two characteristics of endocrine organs.(2 mks)
ii) With the use of specific examples, state two causes of endocrine diseases.(2 mks)
- Briefly describe the following respiratory diseases:
 - Emphysema. (2 mks)
 - Bronchitis.(2 mks)
- Briefly describe the role of the following in the human gastrointestinal system.
 - Parietal cells (1 mk)

- ii) Chief cells (1 mk)
- iii) Brunner's gland (1 mk)
- iv) Intrinsic factor (1 mk)
- d) Briefly explain how the human kidney regulates blood pressure. (4 mks)
- e) Briefly describe the four lobes of the cerebral cortex and their functions.(4 mks)
- f) i) Outline two functions of testes in humans.(2 mks)
ii) Suggest two possible causes of male sterility.(2 mks)
- g) Briefly describe the function of the following parts of the human ear.
i) Ear ossicles (1 mk)
ii) Semi-circular canals (1 mk)
- h) i) What is accommodation?(1 mk)
ii) Briefly how accommodation occurs in the human eye.(3 mks)

Question TWO

- a) Describe in detail the functions of the human gastrointestinal system. (12 mks)
- b) Briefly describe how the functioning of the human gastrointestinal system is regulated.(3 mks)

Question THREE

- a) Describe the structure and functions of the parts of the human urinary system. (12 mks)
- b) Briefly explain how the kidneys regulate the pH of the human body. (3 mks)

Question FOUR

- a) Discuss the process of oogenesis in humans. (12 mks)
- b) Briefly describe any three assisted reproductive technologies(ARTs) that can help barren women to conceive. (3 mks)

Question FIVE

Provide a detailed description of the structure and function of the human ear. (15 mks)