



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF PURE & APPLIED SCIENCES

UNIVERSITY EXAMINATION FOR:

BACHELOR OF SCIENCE IN COMMUNITY HEALTH

BSCH 16S/YEAR 1/ SEMESTER 2

AAB 4110 HUMAN ANATOMY AND PHYSIOLOGY 2

SPECIAL SUPPLEMENTARY EXAMINATION SERIES: JULY 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 ONE

- a) Describe five functions of the urinary system (5marks)
- b) Distinguish the following;
 - i. spermatogenesis and spermiogenesis (4marks)
 - ii. nociceptors and mechanoreceptor (4marks)
- c) Name the three pairs of salivary glands that secrete into the oral cavity (3marks)
- d) Name the two functions of the gall bladder (2marks)
- e) State the two hormones produced in the posterior pituitary gland and their functions? (4marks)
- f) State three significance of the cerebrospinal fluid (3marks)
- g) Name the major classes of white blood cells (3marks)
- h) Name two purpose of the acid in gastric juice (2marks)

QUESTION TWO

- i. Discuss how alcohol affects the different organs in our body(brain, liver, kidneys)
(12marks)
- ii. Discuss the functions of the nervous system (8marks)

QUESTION THREE

Describe the major regions of the brain and their functions (20marks)

QUESTION FOUR

- i. Discuss the pancreas and the hormones that regulate its activities (10marks)
- ii. Discuss the functions of the ureters, urinary bladder and urethra (10marks)

QUESTION FIVE

Discuss the major functions of the immune system (20marks)