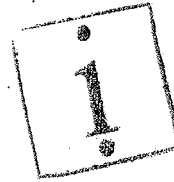


BSU4245 – HUMAN PHYSIOLOGY – LEVEL 04
FINAL EXAMINATION
DURATION: TWO HOURS



DATE: 20.09.2023

TIME: 1.30 pm – 3.30 pm

Part B – Structured Essay Questions
(40 marks)

1. a. Draw a clearly labeled diagram of a basic structure of an epithelial tissue (04 marks)

b. List four (04) major functions of protein molecules (04 marks)

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c. Define the term motor neuron. (02 marks)

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d. Write a brief description on the structure of a smooth muscle. (05 marks)

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e. Define the term haemostasis and list down the major steps involved in the process. (05 marks)

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2. a. Define the following terms

i. Tidal volume.

(03 marks)

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ii. Respiratory membrane

(03 marks)

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b. Give the physiological basis for the 1st and second heart sounds

(04 marks)

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c. List the four (04) classic signs of inflammatory reaction.

(04 marks)

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d. List two (02) hormones produced in the gastro intestinal tract.

(04 marks)

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e. Give a hormone that is important in the process of urine formation.

(02 marks)

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REGISTRATION NO:

Part C –Essay Questions**(40 marks)**

1.
 - a. Give a brief account on control of gastric secretion. **(10 marks)**
 - b. Give a brief description on the fate of a haemoglobin molecule. **(10 marks)**
2.
 - a. Identify the main types of immune response and give a brief account on these responses. **(10 marks)**
 - b. Give a brief description on two (02) methods of birth control. **(10 marks)**