



**FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN ENVIRONMENTAL HEALTH**

TIME: 2.00 p.m. – 4.00 p.m.

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- c) Name the following groups of muscles:-
- i) Muscles acting on the shoulder joint.
 - ii) Abdominal muscles
 - iii) Muscles of respiration
- (6 marks)
- d) Explain the mechanism of muscle contraction. (2 marks)

Part 2: Answer any two (2) questions. (30 marks)

6. a) Outline the components of the ruminant digestive system. (10 marks)
- b) Explain the structural and functional differences between the ruminant and non-ruminant stomach. (5 marks)
7. Describe the following:-
- a) Pulmonary circulation (3 marks)
 - b) Systemic circulation (3 marks)
 - c) Hepatic portal system (3 marks)
 - d) Fetal circulation (3 marks)
 - e) Cardiac cycle (3 marks)
8. a) Explain the classification of bones according to their gross appearance. (10 marks)
- b) Outline the function of bones. (5 marks)
9. Discuss the following:
- a) Epithelial tissues in the animal body. (10 marks)
 - b) Connective tissues in the animal body. (5 marks)
