



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF MEDICAL ENGINEERING

DIPLOMA IN MEDICAL ENGINEERING
(DME 211)

AAB 2250 : HUMAN ANATOMY AND PHYSIOLOGY

SUPPLEMENTARY/SPECIAL: EXAMINATIONS

SERIES: MARCH 2014

TIME: 2 HOURS

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

QUESTION ONE

- a) Explain five important functions of blood (5 marks)
- b) List down three examples of loose connective tissue. (3 marks)
- c) Explain four roles of epithelial tissue giving examples in each case. (4 marks)
- d) List four layers that form the heart wall (4 marks)
- e) Differentiate between simple and compound fractures. (4 marks)
- f) List five important joints in the human body and their location. (5 marks)
- g) List five important factors that affect heart rate. (5 marks)

QUESTION TWO

Describe mechanisms behind respiration and explanation. (15 marks)

QUESTION THREE

Enumerate ten organelles found in a human cell listing their functions. (15 marks)

QUESTION FOUR

Discuss fracture management principles (15 marks)

QUESTION FIVE

Discuss the events that occur during a blood vessel injury and how bleeding stops. (15 marks)