



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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UNIVERSITY EXAMINATIONS 2023/2024

FIRST YEAR, SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH , BACHELOR OF SCIENCE IN COMMUNITY HEALTH AND DEVELOPMENT AND BACHELOR OF SCIENCE IN MEDICAL MICROBIOLOGY

HMM 3216/ HPP 3153: HUMAN ANATOMY AND PHYSIOLOGY

DATE: APRIL 2024

TIME: 2 HOURS

INSTRUCTIONS: Answer Question One and any other Two

QUESTION ONE (30 MARKS)

- a) State the characteristic features and function of skeletal muscle (3 marks)
- b) Define the following terms; superior, cranial, medial, lateral (3 marks)
- c) State four principles of cell theory (4 marks)
- d) List three types of cartilage (3 marks)
- e) State five functions of the urinary system (5 marks)
- f) Outline the classification of epithelium based on arrangement (4 marks)
- g) Describe the structure and three functions of lysosomes (4 marks)
- h) Describe two bone processes and two bone fossae (4 marks)



MUST is ISO 9001:2015 and



ISO/IEC 27001:2013 CERTIFIED

QUESTION TWO (20 MARKS)

Discuss the anatomy and function of the external genitalia and mammary glands

(20 Marks)

QUESTION THREE (20 MARKS)

a) Describe the structural and functional organization of the human body (10 Marks)

b) Discuss the different body cavities (10 Marks)

QUESTION FOUR (20 MARKS)

Discuss the structure and function of the respiratory system

(20 Marks)

