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**KIBABII UNIVERSITY**

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS  
SPECIALS/SUPPLEMENTARY**

**FOURTH YEAR**

**FOR THE DEGREE  
OF  
BACHELOR OF CRIMINOLOGY**

**COURSE CODE: SCR 411**

**COURSE TITLE: FORENSIC ANTHROPOLOGY**

**DATE: 20<sup>TH</sup>/01/2022**

**TIME: 8AM-10AM**

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**INSTRUCTIONS TO CANDIDATES**

Answer question **ONE** (30 marks) and any other **TWO** questions (20 marks each)

TIME: 2Hours

Kibabii University observes ZERO tolerance to examination cheating

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### **Question one**

- a. The analysis of trauma in bone is one of the most important sources of evidence for determining the cause and manner of death. Name the three types of trauma that are frequently encountered in forensic anthropology. How can damage to bone be distinguished among these three types of trauma? Provide example(s) from the assigned reading you have covered to support your answer. (15 Marks)
- b. Examine the various methods used to collect and analyse data by forensic Anthropologists (15 Marks)

### **Question two**

A human remain is found in Timboroa forest. The skeleton shows some desiccated connective tissue at the joints, but is completely disarticulated. There are a few blow flies, but none of their larvae; also a few beetles were recovered. A small tree, found growing through the obturator foramen of an os coxa, exhibits four rings. The remains of a wallet with what looks like paper money in it, nylon stockings, and possibly a cotton blouse and skirt are found near the bones. What is the time since death based on decomposition? On carnivore scavenging? Insect Life cycle? Insect succession? Plant Growth? And Money and clothing deterioration? (20 Marks)

### **Question three**

Remains of a fully grown human species are brought in with all the bones necessary for forensic analysis present. Discuss the various ways to determine the: (20 Marks)

- i. Stature
- ii. projectile trauma
- iii. Age
- iv. Ancestry

### **Question four**

- a. Describe the major sutures of the cranial vault and their location. (10 Marks)
- b. Name the three types of joints in the body. What joints are found in the fingers, toes, proximal ribs, and distal ribs? Support your answer in reference to your body. (10 Marks)

### **Question five**

- a. Name and describe the four steps during recovery of human remains (10 Marks)
- b. If an aircraft crashed in a swampy area, how would the methods for dealing with mass disaster be modified? (10 Marks)