



UNIVERSITY EXAMINATIONS
FIRST YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF
BACHELOR OF SCIENCE IN FORENSIC BIOLOGY
SECOND SEMESTER 2022/2023
[JANUARY-APRIL, 2023]

BFBT 121: INTRODUCTION TO FORENSIC SCIENCE

STREAM: Y1S2

TIME: 2 HOURS

DAY: TUESDAY, 12:00 – 2:00 PM

DATE: 28/03/2023

INSTRUCTIONS

- 1. Do not write anything on this question paper.**
- 2. Answer question ONE and any other TWO questions.**

QUESTION ONE

- | | | |
|------------|--|----------------|
| ai | Briefly explain forensic science | 2 marks |
| ii | Compare and contrast civil and criminal law | 2 marks |
| iii | Describe the role of forensic science in legal systems of the world | 2 marks |
| b | Describe the three main questions that forensic science seeks to answer | 3 marks |
| c | Explain the following branches of forensic science | |
| | i. Forensic document examination | 2 marks |
| | ii. Forensic biology | 2 marks |
| d | Explain the following law and principles as applied in the forensic field | |
| | i. Law of individuality | 2 marks |
| | ii. Principle of exchange | 2 marks |
| | iii. Principle of recovery | 2 marks |
| e | Highlight the contribution of ANY THREE scientists towards the development and advancement of forensic science | 3 marks |
| f | i. Distinguish between Frye standard and Daubert method in relation to forensic evidence | 2 marks |
| | ii. Summarize the MMO principle in proving a case in court | 2 marks |
| g | i. Giving an example, draw the difference between indirect and circumstantial evidence | 2 marks |
| | ii. Summarize the value of physical evidence in relation to forensic science | 2 marks |

QUESTION TWO

- a** Giving an example, list two types of crime lab units **3 marks**
- b** Describe the following units of a crime lab
- i. Physical science unit **3 marks**
 - ii. Biology unit **3 marks**
 - iii. Firearm unit **3 marks**
 - iv. Document examination **3 marks**

QUESTION THREE

- a** Discuss cognizable offences based on
- i. Summarize the five key points on cognizable offences **5 marks**
 - ii. Examples of cognizable offenses **4 marks**
- b**
- i. Define the term non-recognizable offense **1 mark**
 - ii. List any four examples of non-cognizable offenses **4 marks**

QUESTION FOUR

- a** Forensic science is concerned with the reconstruction of unique events. Explain this statement **5 marks**
- b** Citing relevant examples, describe the application of the Law of progressive change and Law of probability in forensic science
- 2 marks**
2 marks
- c**
- i. Identify any three areas of application of forensic science **3 marks**
 - ii. State any three ethics of forensic science **3 marks**