



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF PURE & APPLIED SCIENCES

**UNIVERSITY EXAMINATION FOR:
BACHELOR OF TECHNOLOGY (ANALYTICAL CHEMISTRY)**

Type unit code:ACH 4308. FORENSIC ANALYSIS Type unit name.

END OF SEMESTER EXAMINATION PAPER II

SERIES:APRIL2016

TIME:2HOURS

DATE:Pick DateSelect Month2016

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

QUESTION ONE.

- | | | |
|------|---|--------|
| ai). | Explain the behavior of a Doctor in court. | 5marks |
| ii). | Briefly explain cleavage and fracture. | 2marks |
| bi). | Outline different types of human body tissue donations. | 3marks |
| ii). | Explain physical properties of minerals | 6marks |

- c). Describe skeletalization 8marks
- d). Describe abrasions of wound. 6marks

QUESTION TWO.

- a). Explain how light can be differently transmitted through minerals. 10marks
- b). Describe the relevant force required to cause a stab wound. 10marks

QUESTION THREE.

- a). Explain how colour is produced by minerals. 6marks
- b). Explain the scope of legal medicine. 14marks

QUESTION FOUR.

- a). Differentiate between natural glass and macerals 6marks
- b). Discuss how teeth is important in the identification of the living and dead. 14marks

QUESTION FIVE.

- a). Discuss in details the functions of forensic laboratories. 14marks
- b). Briefly describe luster 6marks