



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**FOURTH YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE IN BIOMEDICAL SCIENCE
AND TECHNOLOGY WITH INFORMATION TECHNOLOGY**

MAIN CAMPUS

PML 420: FORENSIC SCIENCE II

Date: 2nd August, 2017

Time: 8.30 - 11.30 am

INSTRUCTIONS:

- Answer question ONE and any other TWO questions.
- Use illustration wherever appropriate



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SECTION A {40 MARKS}

Answer ALL questions. Use illustrations wherever appropriate. .

- Q1. Using 5 given examples, describe in details the importance of trace evidence with individual characteristics in a crime investigation. [10 marks]
- Q2. Give an outline of the investigative steps involved in establishing the origin of semen in a crime scene.[10 marks]
- Q3. Briefly describe FIVE (5) ways in which latent prints can be developed from the surface during forensic investigations. [10 marks]
- Q4. Briefly describe the list of blood proteins and enzymes with polymorphic and isoenzymatic properties for use in forensic science. [10 marks]

SECTION B {30 MARKS}

Answer any TWO questions. Use illustrations wherever appropriate.

- Q5. Discuss in details the steps involved in bloodstain characterization in a crime scene [15 marks]
- Q6. Describe in details the process of gun powder residue analysis.[15 marks]
- Q7. Outline ways in cytological and bacteriological methods can be used in post-mortem examination. [15 marks]