



# TECHNICAL UNIVERSITY OF MOMBASA

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FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF MEDICAL SCIENCES

**UNIVERSITY EXAMINATION FOR:**

**MASTERS**

**AML 5114 : BIOSAFETY, BIOETHICS, BIOPOLICY AND BIO-ENTREPRENEURSHIP**

**END OF SEMESTER EXAMINATION**

**SERIES: APRIL 2016**

**TIME: 3 HOURS**

**DATE:** Pick Date May 2016

## **Instructions to Candidates**

You should have the following for this examination

*-Answer Booklet, examination pass and student ID*

This paper consists of **FIVE** Question(s). Attempt ALL questions.

**Do not write on the question paper.**

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## **Question ONE**

Discuss the advantages and concerns of genetically engineered animals and plants (20 Marks)

## **Question TWO**

a). Give an outline of agents which can be used on bioterrorism (10 Marks)

b.) Discuss the measures employed in responding to bioterrorist attack (10 Marks)

## **Question THREE**

Discuss the biotechnology policy in Kenya under environmental and medical biotechnologies (20 Marks)

## **Question FOUR**

Design a consent form for a research proposal to study prevalence of Zika virus among mothers and their newly borne infants in a refugee camp. (20 Marks)

## **Question FIVE**

Discuss the challenges which must be considered by a biotech entrepreneur before starting a biotechnological company.