



TECHNICAL UNIVERSITY OF MOMBASA

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.

Question ONE

Discuss in detail the four containment levels required in handling biological materials (20 Marks)

Question TWO

Discuss in brief the aspects of biotechnology under ethical issues and risks (20 Marks)

Question THREE

Discuss the management of bioethics in clinical trials

Question FOUR

- a) Describe the various types of intellectual property rights (10 Marks)
- b) Discuss in brief the impact of intellectual property rights on biotechnology (10 Marks)

Question FIVE

You have been requested to develop a protocol on the management of Valuable biological materials by a joint committee of the Ministries of Health, Education and Internal Security. Give an outline of the protocol (20 marks).