



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF PURE AND APPLIED SCIENCES
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF
TECHNOLOGY IN INDUSTRIAL MICROBIOLOGY AND
BIOTECHNOLOGY
BTMBT

SBT 2440 : BIOPOLICY

SPECIAL/SUPPLEMENTARY EXAMINATION

OCTOBER 2013 SERIES

2 HOURS

Instructions to candidates:

This paper consist of **FIVE** questions

Answer question **ONE** (compulsory) and any other **TWO** questions

Question ONE

- a) Define the following terms
 - (i) Biosafety framework (2marks)
 - (ii) Biopolicy (2marks)
 - (iii) Biotechnology (2marks)
- b) Outline atleast FIVE regulatory agencies involved in Biosafety in Kenya (5marks)
- c) Discuss the biosafety bill under the following
 - (i) Objectives (2marks)

- (ii) Scope (3marks)
- (iii) Date enacted (1mark)
- d) Outline the importance of patents in the development of Biotechnology (6marks)
- e) Briefly discuss the key assessment areas of Biosafety as pertains to
 - (i) Consumers (4marks)
 - (ii) Environment (3marks)

Question TWO

- a) Outline the 3 objectives of the convention on biological diversity (CBO) (3marks)
- b) Define the Bonn guidelines as derived from one objective of the CBO (3marks)
- c) State the country and year these guidelines were developed (2marks)
- d) Discuss the objectives of these guidelines (12marks)

Question THREE

Discuss the following international conventions

- a) Earth summit I (6marks)
- b) Convention on biological diversity (CBO) (6marks)
- c) Cartagena protocol on Biosafety (8marks)

Question FOUR

Discuss the Key historical aspects that led to the current status of Biotechnology policy in Kenya (20marks)

Question FIVE

Discuss the Biotechnology policy development under the following topics

- a) Challenges (4marks)
- b) Process of development (5marks)
- c) Key Elements or features (6marks)
- d) Components (5marks)