



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATION

**FOR THE DEGREE OF BACHELOR OF (SCIENCE IN BIORESOURCE
MANAGEMENT AND CONSERVATION)**

COURSE CODE: SBC 424

**COURSE TITLE: BIOECONOMICS AND BIOPOLITICS OF
BIORESOURCES**

DATE: 18TH JANUARY 2022

TIME: 8.00 – 10.00 AM

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over

KIBU observes ZERO tolerance to examination cheating

QUESTION ONE

[a] Define:

(4 Marks)

- i. Desertification
- ii. Endangered species
- iii. Adaptative radiation
- iv. Primary productivity

[b] Explain three determinants of maximizing wildlife productivity.

(6 Marks)

[c] With examples differentiate between bioresources optimization and regulation (4 Marks)

[c] Explain the protective measures against wanton exploitation natural resources. (4 Marks)

[d] List four non- renewable resources in ecosystem.

(4 Marks)

[e] What is the role of County Governments in wildlife conservation?

(4 Marks)

[f] Explain the function of a wildlife manager.

(4 Marks)

QUESTION TWO

Describe the adaptative radiation if wild plants to competitively exploit resources. (20 Marks)

QUESTION THREE

Discuss wildlife bio-economics models.

(20 Marks)

QUESTION FOUR

Explain role of scientists in bio-resources legislation

(20 Marks)

QUESTION FIVE

Discuss the wildlife bio-economics in Kenya.

(20 Marks)