

05



(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 425

**COURSE TITLE: DESIGN AND PLANNING OF CONSERVATION
AREAS**

DATE: 19TH JANUARY 2022 TIME: 11.00 – 1.00 PM

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

(4 Marks)

1. [a] Define:

- i. Dispersion
- ii. r- Strategists
- iii. Biogeography
- iv. Biome

[b] List three (3) determinants of wildlife immigration.

(3 Marks)

[c] Differentiate between phytogeography and zoogeography.

(3 Marks)

[d] Outline significance of the theory of Island biogeography.

(2 Marks)

[e] What is the importance of conservation biogeography?

(3 Marks)

[f] Briefly describe significance of water towers to wildlife.

(6 Marks)

[g] Explain how evapo-transpiration affects primary productivity.

(6 Marks)

[h] Of what value is the carbon trade

(3 Marks)

2. Describe the format of wildlife habitat management plan.

(20 Marks)

3. Discuss the challenging management of protected areas.

(20 Marks)

4. Account for increase in wildlife biodiversity.

(20 Marks)

5. Explain the economic importance wildlife in Kenya.

(20 Marks)