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(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR

FOURTH YEAR 2ST SEMESTER
MAIN EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE BIOTECHNOLOGY

COURSE CODE: SBL 422

COURSE TITLE: BIOLOGICAL CONSERVATION

DATE: Friday 27th July, 2018

TIME: 9:00 -11:00 a.m

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 1

- a. Define the following terms: (4 Marks)
- i) Biodiversity.
 - ii) Soil conservation.
- b. Explain the importance of biological conservation (5 Marks)
- c. Briefly explain the values and need for biodiversity. (4 Marks)
- d. Briefly outline landscaping and its importance. (4 Marks)
- e. Briefly explain national and global policies/conventions on conservation. (5 Marks)
- f. State the causes and threats of species extinctions. (4 Marks)
- g. State the principles and objectives of bioresource management. (4marks)

Question 2

Discuss the factors that influence production, growth and depletion of organisms in an ecosystem (20 Marks)

Question 3

Discuss the threats and remedial actions to conservation of bioresources (20 Marks)

Question 4

Discuss in-situ and ex-situ methods of conservation highlighting the advantages and disadvantages of each method (20 Marks)

Question 5

Discuss plants and animals overpopulation and the methods of control. (20 Marks)