



KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2015/2016 ACADEMIC YEAR FIRST YEAR SECOND SEMESTER MAIN EXAMINATION

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIORESOURCES
MANAGEMENT AND CONSERVATION**

COURSE CODE: SBC 124

COURSE TITLE: BUSHMANSHIP FIELD SURVIVAL SKILLS

DATE: 5th May 2016

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 3 printed pages. Please Turn Over



KIBUCO observes ZERO tolerance to examination cheating

1. a) Explain why natural resources management students need training in bushmanship survival field skills (5 marks)
b) Define the following terms as applied in survival studies; Survival skills; Bushmanship; Adaptation; Acclimatization; Resilience (5 marks)
c) Suppose you were out conducting a survey on the spread of an invasive plant species in a forest and unfortunately, one of your colleagues is bitten by a snake. Explain briefly the immediate first aid that you could do in this case (5 marks)
d) State FIVE important points to remember during swimming in a fast-moving river (5 marks)
e) Outline FIVE types of accidents possible in the wilderness stating their causes (5 marks)
f) Outline any FIVE positive benefits of stress (5 marks)
2. Assume that you have been recently appointed as a field assistant in a local NGO. You have been informed that in a week's time, your team, under your leadership, will be going to study the activity budgets of the endangered species of antelope in forest for four days during a rainy season. You are required to camp within the forest for the stated period and bring a written report back to your department.
a) Describe the preparations that you will make before the trip and how you will organize your group during the study (10 marks)
b) State the items/gears you will carry during the trip, stating their functions (5 marks)
c) Briefly Explain FIVE circumstances in which mountaineering becomes necessary to a natural manager (5 marks)
3. a) Define the term improvisation and Explain FOUR improvisations that you can make while conducting ecological studies in the wilderness (10 marks)
b) Discuss the role of effective leadership in group survival in the wilderness (10 marks)
4. You have been invited as a chief trainer to a one-day workshop to prepare forest rangers on forest survival skills before their posting to various stations.
a) Briefly discuss the key topics that you will present during the workshop (10 marks)
b) Explain FIVE factors that you will consider to make the workshop enjoyable to the participants during the workshop (5 marks)
c) Outline FIVE factors to consider while selecting a shelter during a field study in a desert environment (5 marks)
5. a) Discuss various precautions that should be taken in the wilderness to ensure success (10 marks)
b) Highlight FIVE cases when emergency situations may arise (5 marks)
c) List FIVE signs that can show that participants are already dehydrated during field studies (5 marks)