



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS

2020/2021 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER

SPECIAL/SUPPLEMENTARY EXAMINATION

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

COURSE CODE: SBC 313
COURSE TITLE: WILDLIFE STOCK ASSESSMENT

DATE: 14TH JANUARY 2022 **TIME: 2.00 – 4.00 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

QUESTION ONE

- a) Explain the term Stock Assessment (5 marks)
- b) Explain Surplus production (5marks)
- c) Describe the values of wildlife from an ecological perspective (5marks)
- d) Outline the importance of density and survival in wildlife stock assessment (5marks)
- e) Outline the importance of species gender information in wildlife stock assessment (5marks)
- f) Explain integrated wildlife and forest management (5marks)

QUESTION TWO

Discuss factors that influence density and survival of mammals in East Africa (20 marks)

QUESTION THREE

Identify and Discuss the Ecological principles of conserving biodiversity (20 marks)

QUESTION FOUR

Discuss the main techniques used in estimating wildlife numbers (20 marks)

QUESTION FIVE

Discuss Conservation and Management Strategies for the Rhino in Kenya (20 marks)