

EGERTON**UNIVERSITY****UNIVERSITY EXAMINATIONS****REGULAR -NJORO CAMPUS****SECOND SEMESTER, 2021/2022 ACADEMIC YEAR****THIRD YEAR CAT FOR THE DEGREE OF BACHELOR OF SCIENCE IN****ECOTOURISM AND HOSPITALITY MANAGEMENT****NARE 352: ECOLOGICAL SURVEYS AND TECHNIQUES****STREAM: BSc TOHM (Y3S2)****TIME: 1 HR****DATE: 15TH MARCH****YEAR: 2022****INSTRUCTIONS:**

- (i) Answer ALL questions
- (ii) Some formulae are provided at the end of the question paper
- (iii) Do not write on the question paper
- iv) Answer questions clearly and concisely.

Question One

Define the following terms as applied in ecological surveys:

- i). Sampling unit
- ii). Sampling frame
- iii). Precision
- iv). Replication
- v). Random sampling
- vi). Accuracy

Question Two

Explain why proper planning is imperative prior to embarking on an ecological survey.

(4 Marks)**Question Three**

State and briefly describe four broad approaches of estimating wildlife population, giving a suitable example in each case

(10 Marks)**Question Four**

Outline the format of writing and ecological monitoring report

(10 Marks)
