

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE

ENSC 431: DESTINATION CARRYING CAPACITY ANALYSIS

STREAMS: BSC (ENSC) Y4S1

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 11/12/2019

11.30 A.M. – 1.30 A.M.

INSTRUCTIONS:

- Answer ALL questions in section A and any other TWO in section B
- Do not write anything on the question paper

SECTION A (30 MARKS)

- Q1. Explain the concept of destination carrying capacity as used in sustainable tourism development [2 marks]
- Q2. Explain the following:
- (a) Physical carrying capacity [2 marks]
 - (b) Social carrying capacity [2 marks]
 - (c) Economic carrying capacity [2 marks]
- Q3. Describe any four categories of tourism destination [4 marks]
- Q4. Highlight the destination carrying capacity considerations in each tourism destination category that you have described in Q3 [4 marks]
- Q5. Write short notes on the following in respect to carrying capacity components
- (a) Physical ecological component [3 marks]
 - (b) Socio-demographic component [3 marks]
 - (c) Political economic component [3 marks]

ENSC 431

Q6. Give the measurement criteria for the three types of carrying capacity [5 marks]

SECTION B

Q7. Sustainable tourism development and carrying capacity are linked in a number of ways.
Discuss [20 marks]

Q8. (a) Explain how the carrying capacity may be different for different tourism destinations. [10 marks]

(b) Explain ways in which you can minimize environmental degradation in a specific tourism destination [10 marks]

Q9. Outline the procedure of performing a carrying capacity assessment in a tourism destination of your choice [20 marks]
