

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

ENSC 230: LAND USE SYSTEMS AND CLASSIFICATION

STREAMS: BSC ENSC

TIME: 2 HOURS

DAY/DATE: MONDAY 4/12/2017

11.30 A.M – 1.30 P.M

INSTRUCTIONS:

- **Answer all questions in section A and any other two in section B**

SECTION A (30MARKS)

1. Explain five natural functions of land. [5marks]
2. Outline the major land cover classes according to FAO. [5marks]
3. Elaborate the ecosystem approach to land use planning. [5marks]
4. Briefly discuss five factors that determine land capability. [5marks]
5. Highlight five purposes for land use classification. [5marks]
6. Briefly discuss the various philosophies of land classification. [5marks]

SECTION B (40MARKS)

7. Discuss five drivers of land use land cover change. [20marks]
8. Discuss the environmental effects of land use and land cover change. [20marks]
9. (a) Discuss the key steps in land use planning. [10marks]

(b) Discuss kenya's agro climatic zonation.

[10marks]
