

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

RESIT/SPECIAL EXAMINATIONS

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

ENSC 230: LAND USE SYSTEMS AND CLASSIFICATION

STREAMS: BSC ENSC Y2S2

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 03/02/2021

5.00 P.M – 7.00 P.M

INSTRUCTIONS

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

SECTION A: 30 MARKS

1. With examples, differentiate between land use and land cover (6 marks)
2. Discuss the environmental and socio impacts of land use change (6 marks)
3. State and explain the negative externalities (6 marks)
4. State the six land evaluation applications (6 marks)
5. State six philosophies of land classification (6 marks)

SECTION B: 40 MARKS

6. Discuss the biophysical and socioeconomic drivers of land use land cover change (20 marks)
 7. Discuss fundamental factors that determine land capability (20 marks)
 8. Discuss the steps in land use planning (20 marks)
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