



WI-248-1-6

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS 2017/2018**

**THIRD YEAR FIRST SEMESTER EXAMINATION FOR THE BACHELOR OF
SCIENCE IN LAND RESOURCES PLANNING AND MANAGEMENT**

ALP 2304: LAND DEGRADATION AND REHABILITATION

DATE: JANUARY 2017

TIME: 2 HOURS

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER
TWO QUESTIONS**

QUESTION ONE: 40 MARKS

Write short notes on:-

- a. Desertification (10 marks)
- b. Salinisation (10 marks)
- c. Conservation tillage (10 marks)
- d. Negarims (10 marks)

QUESTION TWO: 30 MARKS

- a. State the main factors influencing the effectiveness of chemical fertilizer application in nutrient restoration in the soil. (10 marks)
- b. Describe the human activities that may increase land degradation. (10 marks)
- c. Discuss soil conditioners can be used in land degradation and reclamation. (10 marks)

QUESTION THREE: 30 MARKS

- a. Explain what you understand by sustainable agricultural development. (15 marks)

- b. Describe the basic principles in re-vegetation of degraded lands. (15 marks)

QUESTION FOUR: 30 MARKS

- a. Explain the main purpose of land reclamation. (10 marks)
- b. "Ineffective land rehabilitation practices has serious implication on the social economics of the people concerned". Discuss. (20 marks)