



W1-2-60-1-6

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS 2018/2019

**FOURTH YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN LAND RESOURCES**

ALP 2412: ENVIRONMENTAL IMPACT ASSESSMENT AND ENV'TAL AUDIT

DATE: APRIL 2019

TIME: 2 HOURS

INSTRUCTIONS:

Answer Question ONE and ANY other TWO questions.

- 1 (a) Discuss the benefits and challenges of **undertaking** an EIA/EA process. (6 marks)
- (b) Briefly discuss the main steps that should be followed in an EIA process. (6 marks)
- (c) Discuss the main elements of mitigation in the EIA process. (6 marks)
- (d) Discuss the legal implications of carrying out an EIA/EA process. (6 marks)
- (e) Discuss environmental changes likely to occur on introduction of irrigation in an area. (6 marks)

- 2 (a) Discuss the various sources of air pollution. (6 marks)
- (b) Briefly discuss agricultural waste as a source of water pollution. (6 marks)
- (c) Discuss various social impacts that can be experienced during the construction phase of a development project. (8 marks)

3. (a) Discuss various techniques that can be used to involve public participation for a project. (6 marks)
- (b) Outline the possible roles of various stakeholders in an EIA process. (6 marks)
- (c) Suggest possible methods that can be used to control the occurrence of schistosomiasis health impact in a rice scheme. (8 marks)

- 4 (a) Discuss two formal methods used for impact identification. (6 marks)
- (b) Briefly discuss the main steps used to carry out an environmental audit of a development project. (6 marks)
- (c) Discuss the various features that should be included in the main text of an EIA report. (8 marks)