



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
SCHOOL OF AGRICULTURAL AND FOOD SCIENCES  
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN  
AGRICULTURAL EDUCATION AND EXTENSION  
SEMESTER 2022/2023 ACADEMIC YEAR**

**CENTRE: MAIN CAMPUS**

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**COURSE CODE: AED 1403**

**COURSE TITLE: ENVIRONMENTAL AND SOCIO ECONOMIC IMPACT  
ASSESSMENT**

**EXAM VENUE: STREAM: AGRICULTURE**

**DATE: EXAM SESSION:**

**TIME: 2 HOURS**

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**Instructions:**

- 1. Answer question 1 ( compulsory ) and ANY other 2 questions.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while  
in the examination room.**

**SECTION A:(30 Marks)**

1. (a) Explain the following terminologies as applicable in ESIA and give appropriate example in each case (i) Impact (ii) Environmental monitoring (iii) Social analysis (iv) Scoping  
(1mark each)
- (b) What are the shortcomings of engaging in ESIA without Terms of reference? (4 marks)
- (c) Discuss the dangers of a county government operating without county environment committee (4 marks)
- (d). When coming up with any project that is likely to affect the locals, the local community members input on the same is paramount. Justify the statement (5 marks)
- (e) Enumerate various ecological goods and services a healthy wetland provides (8 marks)
- (f) What are the reasons of carrying out Environmental and Socioeconomic Impact Assessment? (5 marks)

**SECTION B: (40 Marks)**

2. Discuss the guiding principles of Environmental and Socioeconomic Impact Assessment (20 marks)
3. Discuss the benefits and work breakdown structure of the involvement of stakeholders in a project. (20 marks)
4. Discuss the threats to biodiversity and how it can be controlled in Kenya (20 marks)