



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

FOURTH YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR

**THE DEGREE OF BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT,
BACHELOR OF SCIENCE IN AGRICULTURE EDUCATION AND EXTENSION,
BACHELOR OF SCIENCE IN FOOD SECURITY**

2016/2017 ACADEMIC YEAR

REGULAR

COURSE CODE: AEB 3417

COURSE TITLE: ENVIRONMENT AND SOCIO-ECONOMIC IMPACT ASSESSMENT

EXAM VENUE: LAB 14

**STREAM: BSc. (Agribus. Mgt, Agric. Ext. Educ.
& Food Security)**

DATE: 21/12/16

EXAM SESSION: 2.00 – 4.00PM

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in section A and ANY other 2 Questions in section B.**
- 2. Candidates are advised not to write on question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A [30 MARKS]

Answer ALL questions from this Section.

1. (a). Define the following terms;
 - i. Proponent (2 Marks)
 - ii. Environmental Policy (2 Marks)
 - iii. Sustainable Development (2 Marks))

(b) Briefly describe FOUR key principles of Environmental Impact Assessment. (4 MARKS)
2. Public involvement is a fundamental principle of EIA and therefore the inclusion of the views of the affected and interested public is mandatory.
 - (i) What are the purposes carrying out Consultative Public Participation (CPP) during Environmental Impact Assessment? (4 Marks)
 - (ii) Briefly outline how you will develop a public participation plan. (4 MARKS)
 - (iii) What factors affect effectiveness of public involvement during an EIA? (2 Marks)
2. (a) Outline any **FOUR** key questions that will guide you in choosing impact analysis method. (4 Marks)
- (b) Discuss briefly any **FOUR** impact identification methods. (6 Marks)

SECTION B [40 MARKS]

Answer **ANY TWO** questions from this Section.

4. You has been assigned to undertake an Environmental Impact Assessment study for a proposed Waste Management facility at Kakamenga town by the County Government.
 - i. Identify **FOUR** key stakeholders you will consult during the EIA process. (4 Marks).
 - ii. Identify FIVE adverse environmental impacts that would be associated with the implementation of the project and clearly indicate how you will mitigate against them. (10 Marks)
 - iii. In reference to Water Quality and Waste Management Regulations of 2006, discuss the practical measures that will be required to prevent water pollution from waste discharge emanating from industries in Kakamenga Town. (6 Marks)
5. You have been appointed as the Occupational Safety and Health Management (OSHM) officer in a large scale Vegetable production and Export company.

- (i) What is the rationale of setting Occupational Safety and Health Management systems in your company? (5 Marks)
- (II) Discuss FIVE main elements that you will consider while setting up the companies Occupational Safety Health Management. (10 Marks)
- (iii) What the benefits of adopting Cleaner Production (CP) to your company? (5 Marks)
6. Mumias Sugar Company intends build a new Sugar Milling Company in Busia County.
- i) Discuss any FOUR of social impacts that would be occasioned by the above expansion project. (6 Marks)
 - ii) Briefly discuss the Key STEPS in carrying out a Social Impact Assessment for the proposed Sugar Milling Company. (10 Marks)
 - iii) Outline the Occupational Safety and Health (OSH) measures that the company will need to put in place before it is licensed to operate. (4 Marks)