**MOI UNIVERSITY**

**UNIVERSITY EXAMINATIONS 2015/2016 ACADEMIC YEAR**

**THIRD YEAR SECOND SEMESTER EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN PROJECT PLANNING AND MANAGEMENT.**

**COURSE CODE: BPM 313**

**COURSE TITLE: ENVIRONMETAL IMPACT ASSESSMENT IN PROJECT PLANNING AND MANAGEMENT.**

**DATE: 21ST APRIL, 2016 TIME: 9:00 A.M- 12:00 NOON.**

**INSTRUCTIONS TO CANDIDATES SEE INSIDE**

**BPM 313: ENVIRONMENTAL IMPACT ASSESSMENT IN PROJECT PLANNING AND MANAGEMENT**

**INSTRUCTIONS TO CANDIDATES: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER THREE QUESTIONS.**

**QUESTION ONE (COMPULSORY)-28 MARKS**

1. Explain the meaning of the term environment **( 2 marks)**

With the help of examples, explain the components of the environment that are usually examined during environmental impact assessment. **(10 marks)**

1. Since the 1960s the Environment and Development Debate has raged, specifically with respect to the question” To what Extent, should development be pursued at the expense of the environment?”:

Provide a chronological development of environmentalism using the various conferences and summits until 2015. **(10 marks)**

Provide at least two strong arguments pro- development and pro –environment. **(4 marks)**

What did the Environmental Regulations of 2003 suggest should be done to projects which had been undertaken before July 2003? **(2 marks)**

**QUESTION TWO-24 MARKS**

1. Define the term environmental impact assessment**.( 2 marks)**
2. How does E.I.A reconcile the needs of environment and those of development? (**2 marks)**
3. The Kenyan Environmental Management and CO-ordination Act, 1999 and the Environmental Regulations gazetted on 13th June 2003 makes express provisions for the undertaking of E.I.A. for all the development projects. With the help of a detailed and well labeled diagram. Discuss the E.I.A process as suggested by Biswas and Geping (1987) and adopted by the Kenya in 2003**.(20 marks)**

**QUESTION 3-24 MARKS**

1. Define the concept Environmental Auditing. **(2 marks)**
2. Explain the need for Environmental Auditing in a project setting **(4 marks)**
3. Identify and explain four types of Environmental Audits you know**. (12 marks**)
4. Briefly explain the procedure for carrying out Environmental Audits. **(6 marks)**

**QUESTION FOUR-24 MARKS.**

Sugar processing causes significant environmental stress. Belagio Investments Limited of Bungoma County has contracted you as an EIA lead expert to carry out ecological feasibility analysis on their behalf. Using an Input-Processing-Output Model:

* 1. Identify the environmental stresses the project will likely have on all components of the environment? **(6 marks)**

1. Explain to your client at least six techniques you would use to mitigate against the environmental stresses identified above. **(12 marks)**
2. Identify three stakeholders that would utilize EIA reports explaining the reasons the reason why they need such reports. **(6marks**)

**QUESTION FIVE-24 MARKS**

Explain the seven institutions under EMCA, 1999 which help in governing environmental issues in Kenya**. (14 marks)**

Highlight five Kenyan laws that in one way or another compliments the requirements of EMCA, 1999 in environmental conservation and protection**. (10 marks)**

**QUESTION SIX-24 MARKS**

1. When and where E.I.A. was first applied? (**1 mark)**
2. The need for EIA was succinctly expressed in Principle 17 of the 1992 Rio Declaration on Environment and Development which affords the strongest evidence of international support for EIA. Cite the terms provided by Principle 17**.( 2 marks)**
3. What is the role of EIA as one of the feasibility studies that are carried out during project planning? **(5 marks)**
4. Explain the principles that guide an effectively conducted EIA**.(8 marks**)
5. Explicate the importance of EIA to both a project and the environment**.(8 marks)**