



MACHAKOS UNIVERSITY

University Examinations for 2018/2019

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCE MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

THIRD YEAR SUPPLEMENTARY/SPECIAL EXAMINATION FOR
BACHELOR of ENVIRONMENTAL STUDIES (COMMUNITY DEVELOPMENT)
BACHELOR of ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION)
ESU 300: ENVIRONMENTAL IMPACT ASSESSMENT AUDIT

DATE:

TIME:

INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Explain the following terminologies as used in Environmental Impact Assessment
- i. Adverse Impacts (2 marks)
 - ii. Mitigation measure (2 marks)
 - iii. Proponent (2 marks)
- b) Explain any three (3) objectives of the Environmental Impact Assessment process (6 marks)
- c) Name any SIX EIA methodologies that can be used to assess impacts (6 marks)
- d) Explain the role of the National Environmental Management Authority in Environmental Impact Assessment in Kenya (6 marks)
- e) (d). Describe the environmental rights provided for in the Kenya constitution 2010 article 42 (6 marks)

QUESTION TWO (20 MARKS)

Discuss FIVE key differences between EIA and SEA

QUESTION THREE (20 MARKS)

Outline the Environmental Impact Assessment process as it is systematically conducted in environmental management.

QUESTION FOUR (20 MARKS)

The National Irrigation Board has engaged you as an environmental expert to undertake an Environmental Impact Assessment (EIA) for the construction of a high capacity dam on River Twake in Kitui county

- a) Describe the key components of your Environmental Impact Assessment (10 marks)
- b) Discuss any FIVE (5) areas of human concern that you will address in your Environmental Impact Assessment (10 marks)

QUESTION FIVE (20 MARKS)

Kenya's environmental policy and legislation are scattered in a multiplicity of resource and sector specific laws and policy papers. The institutions and departments that deal with environmental issues are equally numerous. Discuss any FIVE institutions formulated under the Environmental Management and Coordination Act of 1999 (EMCA) and their role in EIA.