



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

University Examinations 2015/2016 Academic Year

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF AGRIBUSINESS MANAGEMENT

FIRST SEMESTER EXAMINATION FOR DEGREE IN BACHELOR OF SCIENCE IN
ENVIRONMENTAL STUDIES (COMMUNITY DEVELOPMENT)

ESU 300: ENVIRONMENTAL IMPACT ASSESSMENT

Date:

Time:

INSTRUCTIONS

1. This exam comprises five [5] questions
 2. Answer question **one (1)** and **any** other **two (2)** questions
 3. All answers should be written in the answer booklet provided
 4. Use relevant illustrations, examples and diagrams to illustrate your answer where applicable
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1. a) Explain the following terminologies as used in Environmental Impact Assessment [EIA]
 - i) Adverse Impacts (2 marks)
 - ii) Mitigation measure (2 marks)
 - iii) Environmental indicator (2 marks)
 - b)
 - i) Explain any three [3] objectives of the Environmental Impact Assessment process. (6 marks)
 - ii) Explain any two [2] sectors of the Environmental Impact Assessment (EIA) studies (6 marks)
 - c) Explain the role of the National Environmental Management Authority in Kenya (6 marks)
 - d) Describe the environmental rights provided for in the Kenya constitution 2010 article 42 (6 marks)
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SECTION B: ANSWER ANY OTHER TWO QUESTIONS

2. a) Explain the meaning Environmental Impact Assessment? (5 marks)
- b) Explain the three [3] main Purposes of an Environmental Impact Assessment. (15 marks)
3. EIA represents a systematic process that examines the environmental consequences of development activities. Outline the EIA process as it is systematically conducted in Environmental Assessment. (20 marks)
4. a) Describe five [5] areas of human concern that are addressed in an EIA. (10 marks)
- b) Distinguish between an EIA and a SEA as tools of environmental management (10 marks)
5. a) Explain 2 reasons why proponents find it hard to conduct EIA before the commencement of their projects. (5 marks)
- b) Explain the powers of NEMA granted by the EMCA [1999] (15 marks)