



# MACHAKOS UNIVERSITY

University Examinations for 2016/2017 Academic Year

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL STUDIES

THIRD YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (ENVIRONMENTAL RESOURCE  
CONSERVATION)

BACHELOR OF ENVIRONMENTAL STUDIES (ENVIRONMENTAL COMMUNITY  
DEVELOPMENT)

**ESU 300: ENVIRONMENTAL IMPACT ASSESSMENT**

**DATE: 28/7/2017**

**TIME: 2:00 – 4:00 PM**

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## INSTRUCTIONS

Answer question **one (1)** and any other **two (2)** questions

1. (a) Explain the meaning of the following terms as envisioned in the Environmental Management and Coordination Act (1999)
  - (i) Environment (2 marks)
  - (ii) Proponent (2 marks)
  - (iii) Environmental Impact Assessment (2 marks)
  - (iv) Pollutant (2 marks)
- (b) Explain three [3] objectives of the Environmental Impact Assessment process (6 marks)
- (c) Describe the three EIA-related offenses outlined in Part (Xiii), article 138 of the EMCA (1999) (6 marks)
- (d) What are the retributions prescribed by the EMCA (1999) Part (Xiii), article 138 for any person who commits the above offences. (5 marks)

- (e) Explain 2 reasons why proponents find it hard to conduct EIA before the commencement of their projects. (5 marks)
2. Discuss the mandate of NEMA in environmental protection in Kenya. (20 marks)
3. Describe the key stages of the Environmental Impact Assessment process. (20 marks)
4. (a) Explain five benefits that accrue to the local community from taking part in an EIA process. (10 marks)
- (b) Describe five [5] areas of human concern that are addressed in an EIA (10 marks)
5. Machakos University is planning to construct a 5-storey building block to be used to host the university administration and lecturers' offices and has consulted you as an EIA expert to conduct an EIA for the upcoming building.
- (a) Generate a title for the EIA that you will conduct (2 marks)
- (b) What documents will you require from the university to authenticate your EIA report. (2 marks)
- (c) What benefits will the university gain because of choosing to conduct the EIA before starting the construction? (4 marks)
- (d) Outline what you will be expected to cover in your EIA report. (12 marks)