



# MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FIRST YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (COMMUNITY DEVELOPMENT)

EPM 111: PRINCIPLES OF ENVIRONMENTAL PLANNING AND MANAGEMENT

DATE: 22/1/2021

TIME:8.30-10.30 AM

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## **INSTRUCTIONS:**

Answer question ONE and any other TWO questions

### **QUESTION ONE (30 MARKS)**

- a) Explain the following: -
- i. Environment (2 marks)
  - ii. Sustainable development (4 marks)
- b) i Distinguish between Environmental planning and Environmental management (6 marks)
- ii Explain EIGHT aspects of Environmental management (8 marks)
- c) Discuss FIVE reasons why environmental planning is important in the success of a country's natural resource conservation (10 marks)

### **QUESTION TWO (20 MARKS)**

Citing examples, discuss the principles of environmental planning and management as applied in environmental regulatory frameworks

**QUESTION THREE (20 MARKS)**

Explain the management strategies that the County Government of Machakos can employ in order to successfully overcome the challenges that slow down her environmental conservation efforts.

**QUESTION FOUR (20 MARKS)**

Discuss the impacts of governance on environmental planning and management of natural resources in Kenya

**QUESTION FIVE (20 MARKS)**

Discuss the attributes of an effective environmental planning and management processes in Kenya