



**MACHAKOS UNIVERSITY**

University Supplementary Examinations for 2021/2022 Academic Year  
**SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT**  
**DEPARTMENT OF ENVIRONMENTAL SCIENCES**  
**FIRST YEAR SUPPLEMENTARY EXAMINATION FOR THE DEGREE OF**  
**BACHELOR OF ENVIRONMENTAL STUDIES AND COMMUNITY**  
**DEVELOPMENT**

**EPM:111 PRINCIPLES OF ENVIRONMENTAL PLANNING AND**  
**MANAGEMENT**

**Date:**

**Time:**

---

**Instructions: Answer question ONE and TWO other questions**

**QUESTION ONE**

- A) Discuss the basic methods used in environmental planning and management of resources (15 Marks)
- B) Critically examine the important elements of environmental management (15 Mrks)

**QUESTION TWO**

Discuss the principles of environmental planning and management (20Marks)

**QUESTION THREE**

As a local environmental expert. Explain to your local community the benefits of environmental planning and management (20marks)

**QUESTION FOUR**

You have been appointed as a speaker in a County Environment Day. Discuss to them the basic functions of a good environmental management process (20marks)

**QUESTION FIVE**

Discuss the decision- making tools in environmental planning and management (20marks)