



# THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

*Faculty of Engineering and Technology*

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

**DIPLOMA IN ARCHITECTURE (DA 10B)  
YR II SEM I**

EB 2221: PLANNING ENVIRONMENTAL MANAGEMENT

**END OF SEMESTER EXAMINATION**

SERIES: AUGUST/SEPTEMBER 2011

**TIME: 3 HOURS**

**Instructions to Candidates:**

You should have the following for this examination

- *Answer booklet*

This paper consists of **FIVE** questions

Answer **ALL** questions

Each question carries 20 marks

This paper consists of **TWO** printed pages

### **Question 1**

Explain;

- a) System
- b) Environment
- c) Environmental system (ecosystem)
- d) Types of ecosystem
- e) Characteristics of ecosystem
- f) D.O.M

### **Question 2**

Illustrate;

- a) forms, functions, distribution of ecosystems at various scales
- b) Biomass
- c) Biomass structure
- d) Biogeochemical cycles

### **Question 3**

Explain;

- a) Photosynthesis
- b) Biological cycles
- c) Succession

### **Question 4**

Outline;

- a) Ecosystem stability
- b) Climax
- c) Equilibrium
- d) Biodiversity
- e) Resilience

### **Question 5**

Sketch resource classification diagram