



**THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE**

***Faculty of Engineering & Technology***

**DEPARTMENT OF CIVIL AND BUILDING ENGINEERING**

**DIPLOMA IN ARCHITECTURE (DA 09)**

**END OF SEMESTER I EXAMINATIONS**

**MAY 2010 SERIES**

**EB 2221 : ENVIRONMENTAL PLANNING AND  
MANAGEMENT**

**TIME: 2 HOURS**

**Instructions to Candidates**

You should have the following for this examination:

- Answer booklet

This paper consists of **SIX** Questions.

Answer **THREE** Questions.

Question **ONE** is **COMPULSORY** and any other **TWO** Questions.

### **Question ONE (COMPULSORY )**

(a). Define:

- (i). System
- (ii). Environmental system
- (iii). Ecosystem
- (iv). Energy cycles
- (v). D.O.M
- (vi). Homeostasis

**(13  $\frac{1}{3}$  marks)**

(b). State **TEN** planning theory concepts.

**(20 marks)**

### **Question TWO**

Explain the **TEN** types of planning. Site plans with sketches.

**(33  $\frac{1}{3}$  marks)**

### **Question THREE**

Explain the **EIGHT** settlement planning requirements.

**(33  $\frac{1}{3}$  marks)**

### **Question FOUR**

Explain:

- (i) Land use planning
- (ii) Zoning structure
- (iii) Ground coverage
- (iv) Plot ratio

**(33  $\frac{1}{3}$  marks)**

### **Question FIVE**

Explain **FIVE** main land use laws used in Kenya.

**(33  $\frac{1}{3}$  marks)**

### **Question SIX**

Explain all possible forms of land ownership in Kenya.

**(33  $\frac{1}{3}$  marks)**