



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 10A)
YR II SEM II**

EBC 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 structure
- c) Biogeochemical cycles

Question 3

Explain;

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

Question 4

Outline;

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

Question 5

Sketch resource classification diagram