



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A CONSTITUENT COLLEGE OF JKUAT)

(A Centre of Excellence)

Faculty of Applied and Health Sciences

DEPARTMENT OF **ENVIRONMENT AND HEALTH SCIENCE**

DIPLOMA IN ENVIRONMENTAL SCIENCES

(DES 12S)

AES 2104: SURVEY OF PLANT KINGDOM

SPECIAL/SUPPLEMENTARY: EXAMINATIONS

SERIES: February 2013

TIME: 2 HOURS

INSTRUCTIONS:

You should have the following for this paper

- *Answer booklet*

This paper consists of **FIVE** questions.

Answer Question **ONE (compulsory)** and any other **TWO** questions

This paper consists of 2 PRINTED pages

Question ONE

- a) Define the following terminologies as used in plants kingdom (5marks)
- b) Illustrate the life cycle of a plant (4marks)
- c) Describe TWO asexual reproduction methods in fungi (4marks)
- d) Briefly discuss the importance of Algae to man (5marks)
- e) Describe the use of plants as source of medicine by man. (5marks)
- f) Briefly explain double fertilization in angiosperm (3marks)
- g) List FOUR characteristics of living things (4marks)

Question TWO

Discuss the reproduction in terms (15marks)

Question THREE

- a) Discuss the adaptation of terrestrial plants (7marks)
- b) Discuss economic importance of mosses (8marks)

Question FOUR

Discuss the various methods used in plant conservation (15marks)

Question FIVE

Discuss the process of reproduction in flowering plants. (15marks)