



TECHNICAL UNIVERSITY OF MOMBASA
FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:
BACHELOR OF SCIENCE IN FISHERIES AND OCEANOGRAPHY
BSFO 16S/YEAR 2/ SEMESTER 1
AAB 4250: PLANT TAXONOMY
END OF SEMESTER EXAMINATION
SERIES: SEPTEMBER 2018
TIME: 2 HOURS

Instructions to Candidates

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions.

This paper consists of two printed pages.

Mobile phones are NOT allowed in the examination room

QUESTION ONE. (30 MARKS)

- a) Describe the following terms (4marks)
- i. Binomial nomenclature
 - ii. Taxon
 - iii. Phylogeny
 - iv. Clade
- b) Outline contributions made by the following persons. (3marks)
- i. Aristotle
 - ii. Theophrastus
 - iii. Carolus Linnaeus
- c) Briefly describe thallus formation in lichens. (4marks)
- d) Explain in details sexuality in mosses. (4marks)
- e) State the economic importance of liverworts. (3marks)
- f) Differentiate the types of leaves found in ferns. (4marks)
- g) Give FOUR differences between and common names and scientific names (4marks)
- h) Outline FOUR features used in plant classification. (4marks)

QUESTION TWO. (20 MARKS)

Discuss economic importance of ferns. (20marks)

QUESTION THREE. (20 MARKS)

Explain in detail classification according to Carl Linnaeus. (20marks)

QUESTION FOUR. (20 MARKS)

Discuss division Sphenophyta (Syn Equisetophyta): Horsetails

(20marks)

QUESTION FIVE. (20 MARKS)

Discuss reproduction in lichens.

(20marks)