



2ND SEMESTER 2007/2008

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION

PROGRAMME: B.Sc. AGRICULTURAL EDUCATION YEAR 1
B.Sc. AGRICULTURAL ECONOMICS AND MANAGEMENT
YEAR 1
B.Sc. AGRONOMY YEAR 1
B.Sc. ANIMAL SCIENCE YEAR 1
B.Sc. HOME ECONOMICS YEAR 1
B.Sc. HOME ECONOMICS EDUCATION YEAR 1
B.Sc. FOOD SCIENCE , NUTRITION & TECHNOLOGY YEAR 1
B.Sc. TEXTILE AND APPAREL DESIGN & MANAGEMENT
YEAR 1
B.Sc. HORTICULTURE YEAR 1
B.Sc. LAND AND WATER MANAGEMENT YEAR 1

COURSE CODE: CP 102

TITLE OF PAPER: BOTANY

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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CHIEF INVIGILATOR**

QUESTION 1

Distinguish the differences between the following terms, and where possible citing examples and meaning in their usage in plant taxonomy.

- a. Phylogenetic classification
- b. Artificial classification

[25 marks]

QUESTION 2

- a. What does ICBN stand for? What are the functions of ICBN? Why was ICBN established?
- b. List the criteria that are used in the phylogenetic classification system.

[25 marks]

QUESTION 3

Name members of plant species belonging to the Poaceae family by their scientific names and indicate their economic value.

[25 marks]

QUESTION 4

Draw and label a typical plant cell and indicate the functions of the different organelles.

[25 marks]

QUESTION 5

What are the equipments a taxonomist must carry along with him on a plant exploration mission. List some of the factors that he/she will consider in construction of botanical keys?

[25 marks]