



2ND SEMESTER 2018/2019

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UNIVERSITY OF ESWATINI
RE-SIT EXAMINATION PAPER

PROGRAMMES:

- B.SC. IN AGRICULTURAL AND BIOSYSTEMS ENGINEERING YEAR 1
- B.SC. IN AGRICULTURAL ECONOMICS AND AGRIBUSINESS MANAGEMENT YEAR 1
- B.SC. IN AGRICULTURAL EDUCATION YEAR 1
- B.SC. IN AGRICULTURAL EXTENSION YEAR 1
- B.SC. IN AGRONOMY YEAR 1
- B.SC. IN ANIMAL SCIENCE YEAR 1
- B.SC. IN ANIMAL SCIENCE (DAIRY) YEAR 1
- B.SC. IN CONSUMER SCIENCE YEAR 1
- B.SC. IN CONSUMER SCIENCE EDUCATION YEAR 1
- B.SC. IN FOOD SCIENCE, NUTRITION AND TECHNOLOGY YEAR 1
- B.SC. IN HORTICULTURE YEAR 1
- B.SC. IN TEXTILES, APPAREL DESIGN AND MANAGEMENT YEAR 1

COURSE CODE: CPR 104

TITLE OF PAPER: BOTANY

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ALL QUESTIONS

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QUESTION 1

Give the two types of organs found in the body of angiosperms. Your answer must also include the various examples under each organ and their functions in plant growth and development.

[25 MARKS]**QUESTION 2**

Describe the non-meristematic tissues in angiosperms and their functions in plant growth and development.

[25 MARKS]**QUESTION 3**

Describe the following terms related to the reproduction of angiosperms;

- | | |
|--|-----------|
| a) Androecium | (2 Marks) |
| b) Gynoecium | (3 Marks) |
| c) Superior ovary | (2 Marks) |
| d) Pollination | (2 Marks) |
| e) Development of the microgametophyte | (6 Marks) |
| f) Development of the megagametophyte | (6 Marks) |
| g) Double fertilization | (4 Marks) |

[25 MARKS]**QUESTION 4**

- a) Copy and complete the table below. Give the Family name, genus and species of the following cultivated plants;

Common name	Family	Genus	Species
i) Rice			
ii) Groundnuts			
iii) Cotton			
iv) Sweet potato			
v) Watermelon			
iv) Tomato			
v) Onion			
vi) Apple			
vii) Garlic			

(25 Marks)**[25 MARKS]**