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University Examinations 2022/2023

FIRST YEAR SECOND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATION FOR
THE DEGREE OF BACHELOR OF SCIENCE IN BIOCHEMISTRY

SBT 3150: PLANT FUNCTION

DATE: AUGUST 2023

TIME: 2 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE (30 MARKS)

- a) State four functions of the cell wall (4 marks)
- b) Explain four plants structures used in natural vegetative propagation (4 marks)
- c) Name two types of sclerenchyma cells and state their structures (4 marks)
- d) State five characteristics of tracheid (5 marks)
- e) Describe the sieve tubes of the phloem tissue (3 marks)
- f) Name three types of flesh fruits and explain their characteristics (6 marks)
- g) Describe functions of the various parts of a flower with a diagram (4 marks)

QUESTION TWO (20 MARKS)

Describe the structure, location and functions of meristematic cells (20 marks)

QUESTION THREE (20 MARKS)

Describe the process of pollination in flowers (20 marks)



MUST is ISO 9001:2015 and



ISO/IEC 27001:2013 CERTIFIED

QUESTION FOUR (20 MARKS)

Draw a transverse section through a stem and explain the functions of the various parts

(20 marks)

