



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 – Meru-Kenya

Tel: +254(0) 799 529 958, +254(0) 799 529 959, + 254 (0) 712 524 293,

Website: info@must.ac.ke Email: info@must.ac.ke

University Examinations 2022/2023

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

SBA 3150: PLANT MORPHOLOGY AND ANATOMY

DATE: AUGUST 2023

TIME: 2 HOURS

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

QUESTION ONE (30 MARKS)

- a) Distinguish between the following
- (i) Opposite and Alternate lost (3 marks)
 - (ii) Whole and Rosette (3 marks)
 - (iii) Prop roots and pneumatic roots (3 marks)
 - (iv) Corymb and Resume (3 marks)
- b) Compare the anatomy of a muno cut stem with a dicot system at primary growth (4 marks)
- c) Outline the three different types of tissues found in plants (6 marks)
- d) Describe the structures that can be found on a system (4 marks)
- e) Describe any four modifications of leaves for specific named functions (4 marks)
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MUST is ISO 9001:2015 and



ISO/IEC 27001:2013 CERTIFIED

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QUESTION TWO (20 MARKS)

Discuss the fate of primary meristem core during growth and development of plant into different tissues (20 marks)

QUESTION THREE (20 MARKS)

Explain the role of leaf morphology in identification of plants (20 marks)

QUESTION FOUR (20 MARKS)

Discuss the various modifications of fruits for their functions (20 marks)

