



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 EXAMINATION FOR THE DEGREE OF MASTER OF
SCIENCE IN AGRICULTURE

AAA 7103: ADVANCES IN CROP PROPAGATION

DATE: APRIL 2023

TIME: 3 HOURS

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

QUESTION ONE (30 MARKS)

- a) Discuss compatibility and incompatibility in vegetative plant propagation and factors to consider (20 marks)
- b) Describe any five phyto-hormones important in plant growth and development (10 marks)

QUESTION TWO (15 MARKS)

- a) Describe any five propagation media (10 marks)
- b) Describe any five plant propagating structures (5 marks)

QUESTION THREE (15 MARKS)

- a) Discuss the physiology of seed dormancy and germination (15 marks)

QUESTION FOUR (15 MARKS)

- a) Describe any five plant propagation methods (5 marks)
- b) Describe the process of tissue culture and its advantages over other conventional propagation methods (10 marks)