



2ND SEM. 2015/2016

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: BACHELOR OF SCIENCE IN HORTICULTURE YEAR IV

COURSE CODE: HORT 406

TITLE OF PAPER: SEED SCIENCE AND TECHNOLOGY

TIME ALLOWED: TWO [2] HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

QUESTION 1

Write notes on the following

- | | |
|-----------------------|-------------------|
| a) cultural practice. | (8 marks) |
| b) dehiscence. | (5 marks) |
| c) open pollination. | (5 marks) |
| d) seed viability. | (2 marks) |
| e) unisexual | (5 marks) |
| | [25 MARKS] |

QUESTION 2

Write notes on the management of seed in okra (*Abelmoschus esculentus* L.) as follows:

- | | |
|-------------------------------|-------------------|
| a) Land preparation. | (4 marks) |
| b) Seed selection and sowing. | (21 marks) |
| | [25 MARKS] |

QUESTION 3

Write notes on the following:

- | | |
|-------------------------------|-------------------|
| a) alien species. | (4 marks) |
| b) genetic uniformity/purity. | (3 marks) |
| c) cross pollination. | (4 marks) |
| d) roguing. | (5 marks) |
| e) time isolation. | (6 marks) |
| f) winnowing. | (3 marks) |
| | [25 MARKS] |

QUESTION 4

Discuss the management of seed okra (*Abelmoschus esculentus* L.) as follows:

- | | |
|---------------------------------|-----------|
| a) Nutrient management. | (7 marks) |
| b) Weed management. | (8 marks) |
| c) Pest and disease management. | (3 marks) |
| d) Irrigation. | (7 marks) |

[25 MARKS]

QUESTION 5

Write notes on the management of seed tomato (*Lycopersicon_esculentum* L.) as follows:

- a) Weed, pest and disease management.
- b) Nutrient and irrigation management.

(10 marks)

(15 marks)

[25 MARKS]