



UNIVERSITY EXAMINATIONS

**FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF
SCIENCE IN HORTICULTURE**

HORT 424: PLANT NURSERY MANAGEMENT

STREAMS: BSC HORT Y4S1

TIME: 2 HOURS

DAY/DATE: TUESDAY 23/03/2021

2.30 P.M- 4.30 P.M

INSTRUCTIONS:

Answer all questions in section A and any other two questions in section B

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

1. (a) Explain the general quality standards for seedlings in a nursery. [4 marks]
- (b) Describe the types of mother beds used in raising nurseries. [6 marks]
2. Explain briefly any 5 tools used for grafting and budding. [5 marks]
3. Explain the importance of raising plants in the nursery. [5 marks]
4. (a) Explain why record management is important in nursery management. [6 marks]
- (b) Elaborate how damping off disease can be managed. [4 marks]

SECTION B: ANSWER TWO QUESTIONS (40 MARKS)

5. (a) Discuss three common pests that affect plants in the nursery and their

symptoms.
[15 marks]

(b) Elaborate on the management of pests in (a) above. [5 marks]

6. Discuss the following;

(a) Factors to be considered in the establishment of a nursery for profitable returns.
[10 marks]

(b) Water and nutrient requirement in nursery establishment in the horticultural industry.
[10 marks]

7. (a) Discuss the main facilities and media used for raising seedlings in a nursery.

[16 marks]

(b) Explain how to assess the quality of seedlings. [4 marks]
