CHUKA



UNIVERSITY

SUPPLEMENTARY / SPECIAL EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF BACHELOR OF SCIENCE DEGREE IN NATURAL RESOURCES MANAGEMENT

HORT 222- PLANT PROPAGATION

STREAMS:

TIME: 2 HOURS

DAY/DATE: MONDAY 16/11/2020 2.30 P.M - 4.30 P.M.

INSTRUCTIONS:

SECTION A – ANSWER ALL QUESTIONS (30 MARKS)

1.

a) Describe any four disadvantages of sexual propagation.

- (4 Marks)
- b) Describe the general steps followed in successfully taking a stem cutting from a mother plant. (4 Marks)
- 2.
- a) Explain the five major requirements for a successful grafting union.
- (5 Marks)
- b) Describe the two modes of plant propagation and specify their major difference. (5 Marks)
- 3. Explain any 5 reasons for using vegetative propagation.

(5 Marks)

4. Explain pasteurization as a media fumigation method.

(7 Marks)

SECTION B – ANSWER ANY TWO QUESTIONS (40 MARKS)

5.

- a) Explain any four advantages of using sand as propagation media.
- (4 Marks)
- b) Describe any eight characteristics of a good media for crop propagation.
- (16 Marks)

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6.		7 Marks)
	c) Discuss the four major factors that determine propagation success when using c	eutting. 3 Marks)
7.	· ·	,
		10 Marks
	b) Describe the five major requirements for a successful grafting union. ((10 Marks)