

THIRD YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF **BACHELOR OF SCIENCE IN AGRICULTURE** SECOND SEMESTER, 2023/2024 (JANUARY-APRIL, 2024)

HORT 333/331: VEGETABLE PRODUCTION

STREAM: Y3 S2 TIME: 2 HOURS

DAY: THURSDAY, 3:00 - 5:00 P.M. DATE: 18/04/2024

INSTRUCTIONS

1. Do not write anything on this question paper.

2. Attempt ALL questions in Section A and ANY TWO in Section B.

SECTION A. (30 MARKS)

1. Using appropriate examples **define and describe** a vegetable.

(6 marks)

2. Write short notes in the following:

a).	Successional cropping	(2 Marks)
b).	Any 2 Anti-nutritional factors in vegetables	(2 marks)
c).	Crop rotation in vegetable production	(4 marks)
d).	Indirect planting	(5 marks)
d).	Kitchen gardening	(1 mark)
e). The Quality indices for Haricot Verts.		(4 marks)
f).	Puffiness in tomatoes	(1 mark)

3. Outline the considerations in planning a vegetable farm. (5 marks)

SECTION B (40 MARKS) ANSWER ANY TWO QUESTIONS.

Climate is a major factor of concern in site selection for growing a specific vegetable. In view of this **discuss** the effect of temperature on lettuce, tomato, onion AND cabbage production

(20 marks)

6. Describe the harvesting and post-harvest handling of onions. a).

(10 marks)

Prepare a detailed write-up on the following disorders in b). potatoes.

(i) . Black Heart (2 marks) (ii) . Tuber Cracks (2 marks) (iii). Secondary Growth (2 marks) Guide a farmer on planting his/her sprouted potato tubers (4 marks)

- 7. a). Discuss pruning in tomato production (15 marks)
 - b). Calculate the quantity of French bean seed for sowing one hectare area from the particulars given below:

Spacing = 45 cm × 20 cm Germination percentage of seed = 70 Purity percentage of seed = 90 Test weight of seed sample = 250 g

c).

(5 marks)