

KATHMANDU UNIVERSITY
End Semester Examination
June/July, 2023

Marks Scored:

Level : B.Sc.

Year : II

Exam. Roll No. :

Time: 30 mins.

Course : AGRS 212

Semester: I

F.M. : 10

Registration No.:

Date : July-17

SECTION "A"

I. Encircle the most appropriate option.

[10Q. × 0.5 = 5 marks]

- Total area of nursery required for preparation of tomato seedling for one hectare of land is.....
a. 125 M² b. 225 M² c. 325 M² d. 425M²
- Vegetable contains higher amount of vitamins and minerals. Please select the vegetable form the following which contains higher amount of Vitamin C?
a. Sweet pepper b. Broad Leaf Mustard
c. Onion d. Asparagus
- Which of the following is not reason to cause 'Riceyness' in cauliflower?
a. Temperature fluctuation
b. Hereditary factors
c. Heavy application of nitrogenous fertilizer
d. Low relative humidity
- According to Meldrum et al. (2018), total cultivated species of vegetable crops in the world is.....
a. 1097 b. 1197 c. 1297 d. 1397
- 'Sonar 022' is only one registered variety ofrecommended for Terai region of Nepal.
a. Cucumber b. Summer squash
c. Pumpkin d. Pointed gourd
- Chose the correct amount of seed rhizomes of ginger required for commercial cultivation in one hectare of land.
a. 200 – 400 kg b. 500 – 700 kg c. 800 – 900 kg d. 1000 – 1100 kg
- Which of the following practice or treatment method is not related to control Downey Mildew disease in leafy vegetables?
a. Follow crop rotation
b. Remove crop debris of previous crops
c. Seed treatment with Captan or thiram @ 3 g/kg of seeds
d. Spray Streptocycline @ 200 ppm at 15 days interval
- Isolation distance of brinjal should be maintained for seed production to maintain true to type.
a. 100 meter b. 200 meter c. 300 meter d. 400 meter

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SECTION "B"

(Short answer questions)
[6Q. × 4 = 24 marks]

Attempt *ANY SIX* questions.

1. Describe the physiological disorder/production constraints of onion.
2. Briefly discuss the soil treatment of nursery to control pathogens.
3. Describe the seed extraction methods of tomato.
4. Briefly discuss the soil requirement, manure and fertilizer, seed rate and spacing for cultivation of okra.
5. Write short notes on:
a. Double transplanting b. Asparagus
6. How can we achieve desired flowers of cucurbits by the use of plant growth regulator? Please explain in short.
7. Write the soil requirement, manure and fertilizer, seed rate and spacing for cultivation of cumin.

SECTION "C"

(Long answer questions)
[2Q. × 8 = 16 marks]

Attempt *ANY TWO* questions.

8. Describe the cultivation practices of ginger and procedure to prepare dry ginger.
9. As an agriculture student, please describe the cultivation practices of cauliflower and its seed production methods in your own words.
10. Describe the cultivation practices of radish and its seed production methods in your own words.