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Enrollment No.....



Faculty of Agriculture
End Sem Examination Dec-2023
AG3CO21

Production Technology for Vegetables & Spices

Programme: B.Sc. (Hons.) Branch/Specialisation: Agriculture

Duration: 3 Hrs.

Maximum Marks: 50

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

- Q.1
- Red colour of tomato is due to _____. 1
(a) Lutein (b) Flavones (c) Carotene (d) Lycopene
 - “Pusa Purple long” is a variety of _____. 1
(a) Carrot (b) Tomato (c) Brinjal (d) Cucumber
 - Origin place of Pumpkin is _____. 1
(a) Peru (South America) (b) India
(c) China (d) Mexico
 - In which of the following a seedless variety of watermelon? 1
(a) Pusa Rasal (b) Arka Jyoti
(c) Arka Manik (d) Durgapura meetha
 - What is a Chromosome number of Cabbage? 1
(a) $2n=22$ (b) $2n=18$ (c) $2n=26$ (d) $2n=16$
 - Fruit of Cauliflower is known as _____. 1
(a) Cymose (b) Flower (c) Curd (d) Bud
 - Allyl propyl disulfide is component is present which crop? 1
(a) Onion (b) Garlic (c) Potato (d) Tomato
 - Diallyl disulfide is component is present which crop? 1
(a) Onion (b) Garlic (c) Potato (d) Tomato
 - Botanical name of radish is _____. 1
(a) Cucumis sativus (b) Raphanus sativus
(c) Chicorium endivia (d) Lactuca sativa

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- x. Which of the following is a leafy vegetable? **1**
 (a) Onion (b) Garlic
 (c) Amaranthus (d) Radish
- Q.2 i. Write short note on kitchen gardening. **1**
 ii. Briefly describe the Important and scope of vegetables crops. **2**
 iii. Describe the classification of vegetables crops. **5**
 OR iv. Classify the different types of vegetable garden. **5**
- Q.3 i. Describe olericulture. **1**
 ii. Write botanical name and family of the following vegetables. **3**
 (a) Watermelon (b) Ridge Gourd
 (c) Pumpkin
 iii. Write the production technology of pea. **4**
 OR iv. Write the production technology of watermelon. **4**
- Q.4 i. Write a short note on indian type and european type of cauliflower. **2**
 ii. Describe the cultivation practises of cabbage on the following heads: **6**
 (a) Botanical name, family and chromosome no.
 (b) Soil & Climate
 (c) Planting distance
 (d) Varieties
 (e) Harvesting and yield
 OR iii. Describe the cultivation practises of carrot on the following heads: **6**
 (a) Botanical name, family and chromosome no.
 (b) Soil & Climate
 (c) Planting distance
 (d) Varieties
 (e) Harvesting and yield
- Q.5 i. Write the botanical name, family and chromosome number of cauliflower. **2**
 ii. Write any four varieties of onion and garlic. **2**
 iii. Describe the physiological disorders of carrot and radish. **4**

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- OR iv. Illustrate the harvesting, yield and physiological disorders of onion and garlic. **4**
- Q.6 Attempt any two:
 i. Describe the cultivation practises of potato on the following heads: **4**
 (a) Botanical name, family, chromosome no. and origin
 (b) Soil & Climate
 (c) Planting distance
 (d) Harvesting and yield
 ii. Describe the cultivation practises of palak on the following heads: **4**
 (a) Botanical name, family, chromosome no. and origin
 (b) Soil & Climate
 (c) Planting distance
 (d) Varieties
 iii. Summarize the physiological disorders of potato and amaranth. **4**
