

M.Sc. (Ag.) Examination, 2017

Semester-II

Horticulture

Course – HOR-521

(Production Technology of Cool Season Vegetable Crops)

Time: 3 Hours

Full Marks: 50

Questions are of value as indicated in the margin.

Answer **any five** questions

1. a) What are the major constraints for production of cole crops in Indian plains?
b) Write down origin of cole crops with their botanical names.
c) Mention harvesting of Brussels sprout and broccoli. 2+3+5=10
2. a) Classify cauliflower with suitable varieties.
b) Briefly state how climatic factors affect cauliflower production.
c) Discuss improved method of cultivation of cauliflower with special reference to nutrient management, water management, harvesting and yield. 3+2+5=10
3. a) Mention important features of leguminous vegetables.
b) Why rhizobium inoculations are necessary for leguminous vegetables?
c) Distinguish between field pea and garden pea.
d) Give a brief account of production technology of cowpea or pea with particular reference to nutrient management, water management, harvesting and yield. 2+2+2+4=10
4. a) What are the salient features of TPS technology.
b) Give a detail account of production technology of potato with special reference to tuber treatment, method of planting, nutrient management, irrigation harvesting and yield. 2+8=10
5. a) Briefly differentiate between physiological disorder and disease infestation.
b) Write in details about causes, symptoms and remedial measures of important physiological disorder of root crops or cole crops. 2+8=10
6. a) State the role of leafy vegetable in human nutrition.
b) Mention different cool season leafy vegetable with their botanical name and families.
c) Briefly enumerate the production technology of palak with special reference to varieties, sowing, interculture operations, harvesting and yield. 2+3+5=10

P.T.O.

(2)

7. Write short note on (*any five*):

2×5=10

- a) Classification of radish.
 - b) Economic importance of broccoli.
 - c) Importance and use of root crops.
 - d) Bolting in onion.
 - e) Types of carrot with varieties.
 - f) Different types of cabbage.
 - g) Use of garlic.
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