

M.Sc. (Ag.) Examination, 2018
Semester – II
Horticulture
Course No: HOR-521
(Production Technology of Cool Season Vegetable Crops)

Time: Three hours

Full Marks: 50

Questions are of the value as indicated in the margin
*Answer **any five** of the following questions.*

1. Write down origin and botany of cabbage. Discuss improved production technology of cabbage with special reference to soil and climatic requirements, cultivars, planting requirements, nutrient management and harvesting. 3 + 7 = 10
2. Differentiate broccoli and cauliflower. Briefly describe improved package of practices of broccoli with reference to soil and climatic requirements, cultivars, planting requirements, nutrient management and harvesting. 2 + 8 = 10
3. Write down the origin and botanical names of important root crops. Highlight physiological disorders of root crops. Discuss package of practices of carrot with special reference to nutrient management, planting details, varieties and harvesting. 2 + 4 + 4 = 10
4. Write few lines on importance of onion and garlic. Briefly discuss production technology of onion with special emphasis on planting method, improved varieties, harvesting and curing. Outline storage of onion. 2 + 6 + 2 = 10
5. Differentiate palak and spinach. Discuss in nutshell improved production technology of palak with reference to varieties, planting details, nutrient management and harvesting. 2 + 8 = 10
6. Briefly discuss:
a) Production technology of *kharif* onion b) Physiological disorders of cole crops 5 + 5 = 10
7. Mention botanical name and origin of legume vegetables. State the nutritional importance of peas. Discuss briefly package of practices of garden pea with reference to soil and climate, varieties, manuring, water management and harvesting. 3 + 2 + 5 = 10
6. Write short notes on the following (**any four**): 2.5 x 4 = 10
 - a. Varietal classification of cauliflower
 - b. Asiatic vs. European radish
 - c. Nursery management in cole crops
 - d. Seed plot technique of potato
 - e. Seed rate and planting technique in garlic
 - f. Importance of leguminous vegetables
 - g. Minor cool season vegetables
