

**M.Sc. (Ag.) Examination, 2019**

**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** questions.

1. Define cole crops. Give the classification of cauliflower cultivars with suitable example. Mention different physiological disorder of cole crops with causes, symptoms and remedies. 2+3+5=10
  2. Mention origin and botany of broccoli. Briefly describe the improved package of practices of this crop with special reference to soil and climate, cultivars, planting requirements, nutritional management and harvesting. 3+7=10
  3. What are the differences between asiatic and european type of carrot. Discuss package of practices of radish with special reference to time of sowing, nutrient management varieties, harvesting and yield. 2+8=10
  4. Discuss in brief about production technology of onion. Write the improved varieties of garlic. 7+3=10
  5. Give the origin and classification of pea. Discuss about the production technology of pea with reference to soil and climate, planting requirement, nutritional management, improved cultivars and yield. 2+8=10
  6. Briefly discuss on: 5+5=10  
(i) Cultivars of cabbage      (ii) Minor cool season vegetables
  7. Give the botanical names of different leafy vegetables. Mention the production technology of any one of the cool season leafy vegetables with special reference to soil and climate, seed rate, planting requirement, intercultural operations, harvesting and yield. 2+8=10
  8. Write short notes on (**any four**): 2.5×4=10  
(i) Curing of onion  
(ii) Blanching of cauliflower  
(iii) TPS  
(iv) Seedling raising of kholrabi  
(v) Colour and root development in carrot  
(vi) Improved varieties of turnip
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