

### SECTION-C

**Note:** Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 What are the major and principal crops of the country and state. Give their classification and mention their time of sowing and harvesting.
- Q.4 What are the harmful effects of weed? Explain in detail the various methods of weed control, describing their advantages and limitations over each other.
- Q.5 a. What are the various factors which cause damage to crops?  
b. Write a short note on the eco friendly and integrated pest management.
- Q.6 Discuss the importance of study of soil fertility. How do we maintain it.
- Q.7 Give the detailed modern package of practices for growing of any one cereal crop in Haryana.

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### 3rd Sem. / Agricultural Technology

#### Subject : Crop Production

Time : 3 Hrs.

M.M. : 100

- Note:** 1. Be brief and to the point.  
2. Try to illustrate with examples and sketches.

### SECTION-A

**Note:** Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) Lodging resistance of crops.  
b) Farm Yard Manure.  
c) Zaid Crops.  
d) Crop Yield.  
e) Irrigation.  
f) Interculture operations.  
g) Seed rate.  
h) Olericulture.

- i) Avicides.
- j) Breeders's seed.
- k) Silviculture.
- l) Macro & Micro nutrients.
- m) Fertilizer.
- n) Dibbling.
- o) Rabi Crop.
- p) Macronutrients.
- q) Picking & plucking.
- r) Apiculture.

### SECTION-B

**Note:** Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) Write a short note on cropping systems.
  - ii) Why the seed treatment is necessary? Briefly discuss its importance.
  - iii) What are the critical stages of water application to plants.

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- iv) What are the various inputs required for crop production. List them.
- v) What are the benefits of vermicompost.
- vi) Discuss the importance of crop diversification.
- vii) What are the internal factors affecting crop production.
- viii) Write a short note on secondary nutrients and their importance.
- ix) List any four fertilizers and four pesticides.
- x) Explain vermicomposting in brief.
- xi) Give the names of four varieties each of wheat and rice grown in Haryana.
- xii) What are different cropping seasons.
- xiii) List any four cash and four oilseed crops.
- xiv) What is the principle of crop rotation. Describe with examples.
- xv) Enlist various irrigation methods adopted in Haryana.

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