

- Q.30 List different operations required for raising horticultural crops.

Q.31 Describe different methods of irrigation

Q.32 Give four tips for safe storage and better handling of fertilizers

Q.33 Give four advantages of organic farming .

Q.34 What are the advantages of crop rotation ?

Q.35 How the soil fertility can be maintained ?

## **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 What are different methods of sowing? Also describe the working of seed drill ?

Q.37 What are different methods of tillage ? Explain the effect of tillage on soil characteristics and nutrients availability.

Q.38 Classify the crops based on their utility and season of growing them along with example.

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3rd Sem / Branch : AGRI ENGG.

## **Subject:- Crop production**

Time : 3Hrs.

M.M. : 100

## **SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 The artificial method of irrigation similar to rainfall is

  - a) Flood Irrigation      b) Sprinkler Irrigation
  - c) Drip Irrigation      d) Furrow Irrigation

Q.2 The plants that compete for nutrients and water with main crop is called

  - a) Plantation      b) Crop
  - c) Weed      d) Root

Q.3 The process of growing different crops in succession on a piece of land in specific period of time is.

  - a) Diversification      b) Intensity
  - c) Production      d) Crop rotation

Q.4 Which of these is not a Kharif crops ?

  - a) Maize      b) Gram
  - c) Sorghum      d) Paddy

- Q.5 Which is the external factor of crop production?  
a) Climate                    b) Edaphic  
c) Biotic                    d) All of these
- Q.6 The process of applying water to the plants is called  
a) Irrigation                b) Requirement  
c) Duty                      d) Rotation
- Q.7 Water requirement of crop depends on  
a) Type of Crop            b) Type of soil  
c) Climate                   d) All of the above
- Q.8 The crop which are grown in winter  
a) Kharif                    b) Rabi  
c) Zaid                      d) Monsoon
- Q.9 Micro nutrients are derived from  
a) Air                        b) Water  
c) Both Air & Water      d) None of these
- Q.10 The cultivation of flowering and ornamental plants  
is called \_\_\_\_\_  
a) Agronomy                b) Horticulture  
c) Apiculture              d) Floriculture

### SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Name two horticultural crops.  
Q.12 Name two kharif crops grown in India.

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- Q.13 List four inputs required for crop production  
Q.14 List four Rabi crops of Haryana.  
Q.15 Give two examples of cash crops.  
Q.16 Give two examples of fertilizers  
Q.17 List two methods of harvesting the crops.  
Q.18 Give two examples of oilseed crops  
Q.19 List two harmful effects of weeds.  
Q.20 Name two critical stages of water application.

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Write four effects of tillage on the soil characteristics.  
Q.22 Give four advantages of mixed cropping  
Q.23 Differentiate between compost manure and green manure  
Q.24 What is the need and importance of the diversification in agriculture ?  
Q.25 Describe the mechanical method of weed control  
Q.26 Write a short note on vermicomposting.  
Q.27 Describe the importance of micro nutrients elements  
Q.28 Write four disadvantages of using inorganic fertilizers.  
Q.29 Describe surface method of irrigation

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