

DAY - 14

SEAT NUMBER

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2021

X

05

1030

R - 344

(E)

**CROP SCIENCE**

**PAPER - I (B-4)**

**Time : 2 Hours**

**2 Pages**

**Max. Marks : 40**

1. (A) Fill in the blanks :

6

- African tall is the variety of \_\_\_\_\_ crop.
- \_\_\_\_\_ is the inherent capacity of soil to supply essential nutrients to the crop plants.
- The optimum temperature range required for paddy crop is \_\_\_\_\_ to \_\_\_\_\_ °C.
- The Botanical name of Sunflower is \_\_\_\_\_.
- Jute crop belongs to \_\_\_\_\_ family.
- \_\_\_\_\_ and \_\_\_\_\_ are the parents of CSH-1 variety of Jowar.

(B) Define **any two** of the following :

2

- Seed
- Monoculture
- Tillage

2. Write short notes : (Any Four) :

8

- Retting and extraction of fibre in Sannhemp.
- Ergot disease of Bajra.
- Tur Pod Borer.
- Characteristics of good cropping scheme.
- Seed treatment in Jowar.
- Economic uses of Castor.

3. Attempt **any four** of the following :

8

- Write the importance of oilseed crops in Indian economy.
- What are the different aspect of Farm Management ?
- Describe harvesting of Paddy.
- How labour - efficiency can be improved ?
- Write in short harvesting and yield of Niger.
- Give the cultivation practices of Paragrass.

4. (A) Supply information about 'Maize' crop on the following points : (Any Two) 4

- (a) Preparation of Land
- (b) Manures and Fertilizers
- (c) Economic Uses

(B) Supply information about the 'Groundnut' crop on the following points : (Any Two) 4

- (a) Ecology
- (b) Seedrate and Spacing
- (c) Varieties (Any Four)

**OR**  
**[Q.4 A and B]**

4. Give information in the tabular form : (Each correct answer carries 1/2 mark) 8

Sr. No.	Name of Crop	Botanical Name	Seedrate kg/ha.	Variety (Any One)	Yield kg/ha.
1.	Kidney Bean				
2.	Sesamum				
3.	Deccanhemp				
4.	Greengram				

5. Supply detail information about 'Irrigated Cotton' crop on the following points : (Any Four) 8

- (a) Ecology
- (b) Sowing Time and Sowing Method
- (c) Pests and Diseases (Names Only)
- (d) Varieties (Any Four)
- (e) Picking and Yield
- (f) Quality Aspects

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