

DAY - **16**

SEAT NUMBER

2023

III

14

1100

V - 544

(E)

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

**Time : 2 Hours**

**3 Pages**

**Max. Marks : 40**

1. (A) Fill in the blanks :

6

- (a) 'Tikka' is a serious disease of \_\_\_\_\_ crop.
- (b) Seed rate of Deccanhemp is \_\_\_\_\_ to \_\_\_\_\_ Kg/ha.
- (c) Origin of Niger is \_\_\_\_\_.
- (d) African tall is variety of \_\_\_\_\_ crop.
- (e) Family of Kidney Bean is \_\_\_\_\_.
- (f) Botanical Name of Jowar is \_\_\_\_\_.

(B) Definition : (Any Two)

2

- (a) Staple length
- (b) Cusec
- (c) Spacing

2. Write short notes : (Any Four) :

8

- (a) Blister beetle of Bajra
- (b) Economic uses of Greengram.
- (c) Types of Farm Labour.
- (d) Varieties of Jowar (Any Four)
- (e) SB-11 variety of Groundnut.
- (f) Write brief cultivation of Paragrass

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

8

- (a) Write down characteristics of Good Cropping Scheme.
- (b) Write about Pune Method (Dibbling) of Jowar.
- (c) How Retting and Extraction of Jute Fibre is done ?
- (d) Write importance of Oilseed Crop in Indian Farming.
- (e) How Castor Crop is harvested ?
- (f) Write in short about Interculturing in Groundnut.

4. (A) Give the information on 'Red Gram' crop on the following aspects :  
(Any Two)

4

- (i) Economic uses
- (ii) Sowing Time and Sowing Method
- (iii) Harvesting

(B) Supply information of 'Deshi Cotton' crop on the following points :  
(Any two)

4

- (i) Ecology
- (ii) Varieties (Any Four)
- (iii) List out Quality Parameters of Cotton

OR

[For Q.4 (A) and (B)]

4. Give tabular information in the tabular form :

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(Each correct answer carries  $\frac{1}{2}$  mark)

| Name of Crop | Botanical Name | Family | Seed Rate (kg./ha.) | Yield (kg./ha.) |
|--------------|----------------|--------|---------------------|-----------------|
| Sunflower    |                |        |                     |                 |
| Black Gram   |                |        |                     |                 |
| Soyabean     |                |        |                     |                 |
| Sesamum      |                |        |                     |                 |

5. Supply detail information about 'Paddy' Crop on the following points :  
(Any Four)

8

(i) Ecology

(ii) Seed Treatment

(iii) Transplanting

(iv) Irrigation

(v) Harvesting

(vi) Uses of Paddy

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