

DAY - 16

SEAT NUMBER

2022

III

23

1030

V - 124

(E)

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

**Time : 2 Hours**

**3 Pages**

**Max. Marks : 40**

1. (A) Fill in the blanks :

6

- Blast is a serious disease of \_\_\_\_\_ crop.
- Oil content of sunflower varies from \_\_\_\_\_ to \_\_\_\_\_%.
- Optimum temperature range required for the growth of cotton is \_\_\_\_\_ to \_\_\_\_\_ °C.
- Origin of place of groundnut is \_\_\_\_\_.
- \_\_\_\_\_ is the hybrid fodder grass.
- Seedrate of Black gram is \_\_\_\_\_ to \_\_\_\_\_ kg/ha.

(B) Define : (Any Two)

2

- Seedrate
- Monoculture
- Compost

2. Write short notes : (Any Four) :

8

- Economic uses of Deccanhemp.
- Asyria mutandis variety of Groundnut.
- Importance of Oil Seed Crop in Indian Farming.
- Harvesting of Castor.
- Bollworm in Cotton.
- Interculturing in Groundnut.

V-124]

1

[P.T.O.]

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

8

- (a) How labour efficiency can be improved ?
- (b) Seed Selection and Seed Treatment in Paddy.
- (c) How retting and extraction of Jute fibre is done ?
- (d) Write any four varieties of Paddy.
- (e) Describe in brief cultivation of Paragrass.
- (f) Write about quality aspects of Cotton.

4. (A) Supply information of 'Desi Cotton' crop on the following points :  
(Any Two)

4

- (i) Botanical Name and Family
- (ii) Seedrate and Spacing
- (iii) Important Diseases with control measures. (Any Two)

(B) Write information about 'Soyabean' crop on the following points :  
(Any Two)

4

- (i) Seedrate and Spacing
- (ii) Varieties (Any Four)
- (iii) Harvesting and Yield

OR

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

4. Give tabular information in the tabular form :

8

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

Name of Crop	Origin	Sowing Method	Seedrate kg./ha.	Yield kg./ha.
Green Gram				
Paddy				
Castor				
Red Gram				

5. Supply detail information about 'Kharif Jowar' crop on the following points :  
(Any Four)

8

- (i) Ecology
  - (ii) Seedrate and Spacing
  - (iii) Varieties (Any Four)
  - (iv) Manuring
  - (v) Harvesting and Threshing
  - (vi) Economic uses
- 

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V-124/3

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