

DAY - **18**

SEAT NUMBER

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2023

III

16

1100

V - 578

(E)

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

Time : 2 Hours

2 Pages

Max. Marks : 40

1. (A) Fill in the blanks :

6

- (a) _____ is the root parasite of Jowar.
- (b) Sowing time of Oat is _____.
- (c) Origin of Chilli is _____.
- (d) Rajapuri is the variety of _____ crop.
- (e) Potato is vegetatively propagated by means of _____.
- (f) Oil percentage of Mustard varies from _____ to _____ p.c.

(B) Define : (Any Two)

2

- (i) Calender of Operation
- (ii) Seed
- (iii) Monoculture

2. Write short note : (Any Four)

8

- (a) Sonalika variety of Wheat
- (b) Sun curing in Tobacco
- (c) Bolting in Onion
- (d) Characteristics of good fodder crop
- (e) Cultivation of Berseem
- (f) Harvesting of Chilli

3. Attempt **any four** of the following : 8
- Which **things** are necessary for cropping scheme ?
 - What type of soil and climate is required for gram
 - Which are the economic uses of Linseed ?
 - Write in short cold storage of Potato ?
 - Write maturity sign of Sugarcane ?
 - Describe in brief topping and descuckering in Tobacco.
4. (A) Supply information about 'Sugarcane' crop on the following points : 4
- (Any Two)**
- Sets treatment
 - Important varieties (Any four)
 - Economic uses
- (B) Supply information about 'Onion' crop on the following points : (Any Two) 4
- Ecology
 - Transplanting
 - Harvesting and yield

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

4. Give tabular information : (Each correct answer carries $\frac{1}{2}$ mark) 8

Name of Crop	Botanical Name	Seed Rate (in kg./ha.)	Duration (Days)	Yield (kg./ha.)
Ginger				
Gram				
Safflower				
Mustard				

5. Supply detail information about irrigated 'Wheat' crop on the following points : 8
- (Any Four)**
- Soil and Climate
 - Seed Treatment
 - Varieties any four
 - Time of Sowing and depth of sowing
 - Economic uses
 - Harvesting and Yield