

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

- (a) Blast is a serious disease of _____ crop.
- (b) Oil content of sunflower varies from _____ to _____ %.
- (c) Optimum temperature range required for the growth of cotton is _____ to _____ °C.
- (d) Origin of place of groundnut is _____.
- (e) _____ is the hybrid fodder grass.
- (f) Seedrate of Black gram is _____ to _____ kg/ha.

(B) Define : (Any Two)

2

- (a) Seedrate
- (b) Monoculture
- (c) Compost

2. Write short notes : (Any Four) :

8

- (a) Economic uses of Deccanhemp.
- (b) Asyria mutandis variety of Groundnut.
- (c) Importance of Oil Seed Crop in Indian Farming.
- (d) Harvesting of Castor.
- (e) Bollworm in Cotton.
- (f) Interculturing in Groundnut.

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 'Deshi 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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