

2023

AGS 3rd Semester Examination

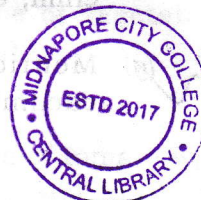
B.Sc. Hons. in Agriculture

Production Technology of Vegetable and Spice Crops

PAPER — AGS-306

Full Marks : 50

Time : 2 hours



The figures in the right-hand margin indicate marks.

Candidates are required to give their answers  
in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer from **all** the Groups as directed.

**GROUP—A**

1. Answer any **five** questions from the following :

2×5=10

✓(a) What is parthenocarpy?

✓(b) What is dioecious plant? Give example.

/849

( Turn Over )

( 2 )

- (c) Mention the scientific name and chromosome number of okra and palak.
- (d) Mention the pigments of onion and garlic.
- (e) Mention the colour pigments of tomato and carrot.
- (f) What are the hybrid seed rates of tomato, chilli, cucumber and bottle gourd?
- (g) Mention the origin of potato, brinjal, cucumber and pointed gourds.

**GROUP—B**

2. Answer any four questions from the following :  
5×4=20

- (a) Classify and describe different Vegetable Gardens.
- (b) Write the cultivation process of watermelon.
- (c) Write the cultivation process of pumpkin.
- (d) What are the differences between determinate tomato and indeterminate tomato?
- (e) Describe river bed cultivation process.

/849

(Continued)



( 3 )

Write down the seed production technology of cabbage.

**GROUP—C**

3. Answer any two questions from the following :  
10×2=20

- (a) Write down the importance of vegetables and spices nutrition value in Indian Economy.
- (b) Discuss cultivation practices of tomato with special references to climate, soil, varieties, yield and post-harvest management.
- (c) Write down the cultivation practices of peas with special references to climate, soil and varieties.
- (d) Discuss cultivation practices of cauliflower with special references to climate, soil and varieties.

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