

2022

B. Sc. (Honours) in AGRICULTURE

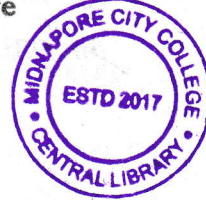
1st Semester Examination

Fundamentals of Horticulture

PAPER — AGS-101

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 : 2×5=10
- (a) Write the scientific names of vitamin 'A' and vitamin 'C' enrich fruits/crops (one from each).
- (b) What is HDP?

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(Turn Over)

(2)

- (f) What is protected cultivation?
- (g) What is meant by parthenocarpy? Name the hormones used to produce parthenocarpic fruits.
- (h) What is dormancy?
- (i) What are pollinizers? State their utilities.
- (j) Name two grasses used in lawn.
- (k) What are the components of a nursery?

GROUP—B

2. Answer any four questions :

- (a) What is meant by kitchen gardening? Name four plants (two fruits and two horticultural crops) suitable for a kitchen garden. 5
- (b) Classify the horticulture zones in India. 5
- (c) Briefly describe the method of preparation of a nursery bed. 5
- (d) What are the advantages and disadvantages of asexual propagation in horticultural crops? 5
- (e) What is grafting? Briefly discuss the different types of grafting. 2+3=5

(3)

- (f) What is rejuvenation? Describe the requirement and principle of rejuvenation in old orchard. 5

GROUP—C

3. Answer any two questions : 10×2=20

- (a) Discuss the importance and opportunities of horticulture.
- (b) Describe the layout and planning to prepare an orchard.
- (c) Write down the differences between training and pruning.
- (d) What is meant by bahar treatment? Discuss in detail the methodology used during bahar treatment of flowers.

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