

Total No. of Printed Pages—4

**HS-XII-A.Sc.Com-Ag-25**

**2 0 2 5**

**AGRICULTURE**  
**( Open Cultivation )**  
**( Theory )**

*Full Marks : 30*

*Time : 1 hour*

*The figures in the margin indicate full marks for the questions*

SECTION—A

( Objective )

Choose and write the correct answer (Question Nos. **1** to **8**) :

1×8=8

1. Removal of suckers from the base of chrysanthemum is known as
  - (a) desuckering
  - (b) pinching
  - (c) stopping
  - (d) disbudding and deshooting
2. \_\_\_\_ is the removal of the growing tips of plants at 10–15 cm stage which results in the production of several lateral shoots.
  - (a) Desuckering
  - (b) Pinching
  - (c) Disbudding
  - (d) Topping

( 2 )

- 3.** Family of tuberose is
- (a) Iridaceae
  - (b) Agavaceae
  - (c) Asteraceae
  - (d) Rosaceae
- 4.** Family of rose is
- (a) Agavaceae
  - (b) Asteraceae
  - (c) Rosaceae
  - (d) Iridaceae
- 5.** Tuberose is commercially propagated through
- (a) bulb and bulblets
  - (b) corm and cormlets
  - (c) terminal cutting
  - (d) seed
- 6.** Crooked stem is a physiological disorder of
- (a) gladiolus
  - (b) china aster
  - (c) rose
  - (d) carnation

( 3 )

7. In tuberose cultivation, the bulb should be lifted at
- (a) the end of every cropping season
  - (b) the end of every second cropping
  - (c) the end of every third cropping
  - (d) the end of every fourth cropping
8. A flower arrangement used to decorate the hair mostly in Southern and Eastern part of India is
- (a) veni
  - (b) garland
  - (c) bouquet
  - (d) dry flower

SECTION—B

Answer any *four* of the following very short-type questions  
(Question Nos. 9 to 14) : 1×4=4

9. Write the family and scientific name of gladiolus.
10. Define pinching in China aster.
11. Mention two major insect pests and diseases of rose.
12. What is foliage plant?
13. Define bonsai.
14. Define agrochemicals.

( 4 )

SECTION—C

Answer any *three* short-type questions (Question Nos. **15** to **19**) :

2×3=6

- 15.** What are the importance of annuals?
- 16.** Write the uses of shrubs.
- 17.** Write about staking in chrysanthemum and give its advantages.
- 18.** What are indoor plants? Write their benefits.
- 19.** What are grading and pulsing of flowers?

SECTION—D

Answer any *three* descriptive-type questions (Question Nos. **20** to **24**) :

4×3=12

- 20.** Describe the various types of perennials.
- 21.** Describe the value-added products of flowers.
- 22.** Describe the pinching, disbudding and deshooting of chrysanthemum?
- 23.** Describe the various types of houseplants.
- 24.** Explain the differences between African marigold and French marigold.

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