

No. of Printed Pages—4

HS/XII/A.Sc.Com/Ag/23

2 0 2 3

AGRICULTURE

(Vocational Course)

(Open Cultivation)

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. What is/are the characteristic(s) of an ideal message?
 - (a) Clear
 - (b) Concise
 - (c) Accurate
 - (d) All of the above

2. Veni is
 - (a) a type of Korean flower arrangement
 - (b) a flower arrangement used to decorate hair
 - (c) a flower extract used for flavouring food
 - (d) a flower extract used for colouring

(2)

3. GA₃ is used for soaking corms at a concentration of _____ to increase sprouting.
- (a) 250 ppm
 - (b) 300 ppm
 - (c) 200 ppm
 - (d) 150 ppm
4. Carnation blue or fancy 'A' grade has _____ stem length.
- (a) 90–100 cm
 - (b) 60–70 cm
 - (c) 100–120 cm
 - (d) 120–150 cm
5. Gerberas are harvested by
- (a) cutting at the middle of stalks
 - (b) pulling near the base of stalk
 - (c) cutting with two leaves
 - (d) uprooting the whole plant
6. The storage temperature of dahlia flower is about
- (a) 0 °C
 - (b) 2 °C
 - (c) 4 °C
 - (d) 46 °C

(3)

7. Most commonly used vase solution/holding solution is

- (a) soil filtrate
- (b) salt solution
- (c) glucose solution
- (d) sucrose solution

8. The full form of 'ppm' is

- (a) part per milligram
- (b) parts per milliliter
- (c) parts per million
- (d) pulse per million

SECTION—B

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

- 9. What are juvenile trees? Give one example.
- 10. What are bromeliads?
- 11. What are succulent plants?
- 12. What are climber plants?
- 13. What is desuckering in rose cultivation?
- 14. What is mulching?

(4)

SECTION—C

Answer any *three* short answer-type questions (Question Nos. **15** to **19**) : 2×3=6

- 15.** Write the propagation of rose flower. What is T-budding?
- 16.** Write the physiological disorders of carnation flower.
- 17.** What are the physiological disorders of gladiolus?
- 18.** What are the two main cultivated species of marigold? Name their varieties.
- 19.** Write the uses of perennial plants.

SECTION—D

Answer any *three* descriptive answer-type questions (Question Nos. **20** to **24**) : 4×3=12

- 20.** Describe the various types of house plants.
- 21.** Explain the classification of bonsai.
- 22.** Describe the various safety and protective devices used during agro-chemical applications.
- 23.** Describe the different varieties of crossandra flower.
- 24.** Describe the post-harvest management of flowers.

★ ★ ★