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**HS/XII/V/Ag/21**

**2 0 2 1**

**AGRICULTURE (Floriculturist)**

( Vocational Course )

**( Open Cultivation )**

*Full Marks : 30*

*Time : 1 hour*

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

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

1×8=8

**1.** The scientific name of Gaillardia is

- (A) *Aster amellus*
- (B) *Gladiolus*
- (C) *Solidago*
- (D) *Gaillardia × grandiflora*

**2.** Flowering hormone is

- (A) Florocin
- (B) Florigen
- (C) Floralgen
- (D) Florocult

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3. \_\_\_\_\_ is an art of giving shape of an object to the plants.

- (A) Girdling
- (B) Pruning
- (C) Topiary
- (D) Goottee

4. Die-back of rose

- (A) can be controlled by spraying chlorothalonil 2 g/lit or mancozeb 2 g/lit
- (B) can be controlled by spraying carbendazim 1 g/lit or wettable sulphur at 2 g/lit
- (C) Both the above
- (D) None of the above

5. Plants that complete their life-cycle within a season or in a year are

- (A) Annuals
- (B) Biennials
- (C) Perennials
- (D) Decanials

6. Suitable climate for growing tuberose is

- (A) 28 °C to 30 °C
- (B) 15 °C to 25 °C
- (C) 30 °C to 35 °C
- (D) 10 °C to 20 °C

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7. Suitable soil for growing Gladiolus is

- (A) well-drained clay loam
- (B) well-drained sandy loam
- (C) well-drained loam
- (D) well-drained silt loam

8. The commercial propagation of tuberose is done through

- (A) stem
- (B) rhizome
- (C) corn
- (D) bulb

Answer the following very short answer-type questions  
(Question Nos. 9 to 12) : 1×4=4

9. What is manure?

10. What are micronutrients?

11. What are growth regulators?

12. What is nipping/tipping in marigold cultivation?

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Answer the following short answer-type questions (Question Nos. **13** to **15**) : 2×3=6

- 13.** Write down the suitable conditions for cultivation of Gerbera.
- 14.** Describe special horticulture operation practices in Chrysanthemum.
- 15.** Write down the damage symptom and control measures of trips in marigold.

Answer any *three* of the following long answer-type questions (Question Nos. **16** to **20**) : 4×3=12

- 16.** What are post-harvest losses? Write down the causes of post-harvest losses.
- 17.** Write down the procedure of making bonsai.
- 18.** What are the tips to improve the post-harvest life and quality of cut flowers?
- 19.** What is value addition in flowers? Give different examples of value addition.
- 20.** What safety measures are required during the use/application of pesticides to crops?

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