

2023

AGRICULTURE

(Theory)

Full Marks : 30

Time : 1 hour

The figures in the margin indicate full marks for the questions

General Instructions:

- (i) Write all the answers in the Answer Script.
- (ii) Attempt all parts of a question together at one place.

SECTION : A

OBJECTIVE

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

1 x 8 = 8

1. Cut flowers are harvested _____

1

(a) with stalk

(b) with whole plant

(c) without stalk

(d) with leaves.

(3)

(4)

6. _____ elements are necessary for the growth of plants. 1

(a) 14

(b) 16

(c) 10

(d) 12.

7. In heavy rainfall areas, manures may be applied 1

(a) after the monsoon

(b) during monsoon

(c) before monsoon

(d) none of the above.

8. Neem seed oil can be used effectively against 1

(a) anthracnose

(b) charcoal rot

(c) both (a) and (b)

(d) none of the above.

Answer all the questions, each question carries 1 mark each:

(Question Nos. 9 to 12) 1 × 4 = 4

9. What is a weed? 1

10. What are Biofertilizers? 1

11. What are manures? 1

12. What are nutrients? 1

SECTION : B

*Answer **any three** from the following short answer-type questions*

(Question Nos. 13 to 16) 2 × 3 = 6

13. What is training and pruning of plants? 2

14. Describe the physical properties of soil. 2

15. Write the uses of the following four tools. 2

(a) Secateurs

(b) Pruning saw

(c) Hedge shear

(d) Budding-cum-grafting knife.

16. What are plant growth regulators? 2

(2)

(5)

SECTION : C

Answer **any three** of the following long answer-type questions

(Question Nos. 17 to 22) $4 \times 3 = 12$

- 2.** Cytokinin are hormones that help in 1
(a) cell division
(b) ripening
(c) cell elongation
(d) cell enlargement.
- 3.** Transplanting plants from one pot to another is termed as 1
(a) depotting
(b) potting
(c) repotting
(d) transplanting.
- 4.** Which of the following is an inorganic mulch. 1
(a) Straw
(b) Dry leaves
(c) Saw dust
(d) Plastic sheet.
- 5.** The pH of black soil varies from 1
(a) 7.2 to 8.5
(b) 4.2 to 6
(c) 6 to 6.5
(d) 6.2 to 6.8.

- 17.** Describe the classification of ornamental plants on the basis of life span, plant-types and mode of propagation. 4
- 18.** Explain the classes of Plant Growth Regulator (PGR). 4
- 19.** Explain the three ways for preparing nursery bed. 4
- 20.** Describe the classifications of plant nutrients. 4
- 21.** Explain the four ways of applying surface irrigation. 4
- 22.** Describe the major symptoms of plant diseases. 4

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