

**P P SAVANI UNIVERSITY**

First Semester of B.Sc. (Hons.) Agriculture End Semester Examination

July - 2022

**SGAG1130- Fundamental of horticulture**

25.07.2022, Monday

Time: 10:00 a.m. to 12:00 a.m.

Maximum Marks: 50

**Instruction:**

1. Draw a neat and labeled diagram whenever it is required.
2. Start new questions from new page.

**Q.1 Multiple choice questions (01 mark each)**

**(15)**

- 1.1 Which of the following is a plant growth regulator ?
  - a. Auxin
  - b. Cytokinin
  - c. Ethylene
  - d. All of these
- 1.2 Ideal pH of soil for lawn making is \_\_\_\_\_
  - a. 5 to 5.6
  - b. 3 to 4.6
  - c. 6 to 8.6
  - d. 7.6 to 8
- 1.3 Which of the following is leafy vegetable ?
  - a. Okara
  - b. Palakh
  - c. Tomato
  - d. Little gourd
- 1.4 Gujarat belongs to which horticultural zone of India ?
  - a. Southern tropical zone
  - b. North-western sub-tropical zone
  - c. Central tropical zone
  - d. Temperate zone
- 1.5 Which of the following is a type of auxin ?
  - a. IAA
  - b. NAA
  - c. a and b both
  - d. None
- 1.6 Plant shed their leaves once in an year when they go to rest
  - a. Evergreen
  - b. Deciduous
  - c. Annual
  - d. None
- 1.7 Most popular grass suitable for seeding is \_\_\_\_\_
  - a. *Oryza sativa* L.
  - b. *Zoysia japonica* L.
  - c. *Cynodon dactylon* L.
  - d. *Zoysia incisa* L.
- 1.8 Rate of respiration increase with increase in \_\_\_\_\_
  - a. Temperature
  - b. Humidity
  - c. Moisture
  - d. All of these
- 1.9 Which of the following propagation method not involved fusion of male and female gametes ?
  - a. Sexual method
  - b. Asexual method
  - c. Gamete fusion
  - d. None



- 1.10 Which of following is medicinal crop ?
- |         |                |
|---------|----------------|
| a. Rice | c. Banana      |
| b. Gram | d. Sarpagandha |
- 1.11 Which of the following break seed dormancy ?
- |             |         |
|-------------|---------|
| a. Ethylene | c. GA3  |
| b. Auxin    | d. None |
- 1.12 The cheapest and time consuming method for lawn making is \_\_\_\_\_
- |            |                 |
|------------|-----------------|
| a. Turfing | c. Dibbling     |
| b. Seeding | d. All of these |
- 1.13 Which of the following is annual crop ?
- |            |           |
|------------|-----------|
| a. Brinjal | c. Beet   |
| b. Carrot  | d. Radish |
- 1.14 Which of the following PGR responsible for stomatal closure in drought conditions ?
- |             |                  |
|-------------|------------------|
| a. Ethylene | c. Auxin         |
| b. GA3      | d. Abscisic acid |
- 1.15 What is contribution of India in total world fruits production ?
- |         |         |
|---------|---------|
| a. 10 % | c. 60 % |
| b. 20 % | d. 70 % |

**Q.2 Define/ Explain (Attempt any six- 01 mark each) (06)**

- 2.1 Pomology
- 2.2 Olericulture
- 2.3 Floriculture
- 2.4 Plant propagation
- 2.5 Kitchen garden
- 2.6 PGR
- 2.7 Sexual propagation
- 2.8 Lawn

**Q.3 True/False (01 mark each) (05)**

- 3.1 Mango comes under pomology branch
- 3.2 Olericulture is not a branch of horticulture
- 3.3 Turfing is most expensive way of lawn making
- 3.4 Horticulture is not a source of medicine
- 3.5 It is always better to start an orchard in a predominantly fruit-growing area





**Q.4 Short notes (Attempt any six- 02 marks each)**

**(12)**

- 4.1 Branches of horticulture
- 4.2 Advantages of kitchen gardening
- 4.3 Fencing in orchard
- 4.4 Importance of horticulture
- 4.5 Disadvantages of sexual propagation
- 4.6 Effects of pruning
- 4.7 Popular lawn making grasses
- 4.8 Types of buds

**Q.5 Answer the following questions in detail (Attempt any three- 04 marks each)**

**(12)**

- 5.1 Detail classification of horticultural plants
- 5.2 Kitchen gardening in detail
- 5.3 Method of plant propagation in detail
- 5.4 Commercial use of plant growth regulators
- 5.5 Training and pruning in detail

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