

2023
FYUGP
SEMESTER-1
BOTANY

Paper : BOT-FYUGP-SE-0106803 (SEC)

(Nursery and Gardening)

Paper Code : SEC0106803

Full Marks: 45

Time : 2 hours

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

1. Answer the following- 1×5=5
 - a. Give one example of ex-albuminous seed.
 - b. From which part of the seed shoot is developed?
 - c. What do you mean by stock in grafting?
 - d. Name the outer layer of seed coat.
 - e. Where the "Global Seed Vault" is located?
2. Answer the following (any five) 2×5=10
 - a. Importance of cutting in horticulture.
 - b. What is layering? Give one example.
 - c. Write a short note on tools used in Nursery.
 - d. Name the external factors responsible for germination
 - e. What is nursery?
 - f. What is seed sowing?

Contd.

- g. What is hardening?
 - h. What is seed bank? Name the largest seed bank.
 - i. Give four examples of grafted fruit plant.
 - j. Give two examples of biological pesticides.
3. Answer the following (any four) 5×4=20
- a. What is transplanting of seedlings? Write the advantage of transplanting of seedling. 1+4=5
 - b. Describe the detailed procedure of Air layering with suitable example. 5
 - c. What do you mean by vegetative propagation? Explain different types of vegetative propagation found in plants. 1+4=5
 - d. Role of plant growth regulator in horticulture. 5
 - e. What is germination? What are the different types of germination found in plants? 5
 - f. Explain the structure of a monocotyledonous albuminous seed. 5
 - g. Importance of Floriculture in Indian economy. 5
 - h. Write a note on green house and glass house. 5
4. Answer any one of the following: 10×1=10
- a. Write the scope and importance of nursery.
 - b. Describe different types of grafting methods with suitable diagram.
 - c. What is seed dormancy? Write the different methods of breaking seed dormancy.
 - d. What do you mean by Gardening? Describe various type of gardening.

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