

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2023
(Third Semester)

Branch – BOTANY

MAJOR ELECTIVE COURSE – II
HORTICULTURAL TECHNIQUES

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- Green manure is -----
(i) Maize (ii) Rice (iii) Sorghum (iv) Sesbania
- In artificial media, the growth of plant tissues is -----
(i) gene expression (ii) transgenesis
(iii) plant tissue culture (iv) cell hybridization
- is a branch of horticulture that deals with the cultivation, processing and marketing of ornamental plants.
(i) Arboriculture (ii) Floriculture
(iii) plant tissue culture (iv) Olericulture
- Bonsai was introduced by ----- country.
(i) India (ii) Fuji
(iii) Ghana (iv) Japan
- PGR is -----
(i) Plant growth regulator (ii) Plant growth revisor
(iii) Plant growth retarder (iv) None of the above

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- a. Discuss on the scope and impact of horticulture.
OR
b. List the types of organic manure.
- a. Summarize on bulbs and corms.
OR
b. Outline about cutting.
- a. Comment on scope of floriculture in export market.
OR
b. Elaborate on the factors affecting flower production.

Cont...

9. a. Compare hedges and edges.
OR
b. Explain about water garden with illustrations.
- 10.a. Evaluate the harvesting techniques of fruits.
OR
b. Mention the uses of growth regulators in horticulture.

SECTION -C (30 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks

(5 x 6 = 30)

- 11.a Explain in detail about the types of irrigation.
OR
b. Analyze the importance of macro and micronutrients.
- 12.a. Elucidate the types of grafting with examples.
OR
b. Evaluate the propagation by plant tissue culture method.
- 13.a. Discuss the cultivation of orchids in India.
OR
b. Elaborate on the production of cut flowers.
- 14.a. Highlight the kitchen garden in detail.
OR
b. Assess the aesthetics of terrarium.
- 15.a. Evaluate the cultivation methods of Mango.
OR
b. Explain the storage of fruits.

Z-Z-Z

END