

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023
(Sixth Semester)

Branch – BOTANY

HORTICULTURE

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 x 1 = 10)

- 1 Growing ornamental plants to decorate indoor and outdoor areas is called.
(i) Olericulture (ii) Arboriculture
(iii) Gardening (iv) Plantation crops
- 2 Compound layering is also known as.
(i) Gootee (ii) Serpentine layering
(iii) Tip layering (iv) Etiolation method
- 3 The cutting of grasses at required height is called.
(i) Dibbling (ii) Trufing
(iii) Mowing (iv) Choppings
- 4 Bottle garden is also called.
(i) Finger garden (ii) Bromeliad
(iii) Terrarium (iv) Dish garden
- 5 Chrysanthemum is propagated by.
(i) root cutting (ii) grafting
(iii) layering (iv) suckers
- 6 Western style of flower arrangement is also known as.
(i) Triadic arrangement (ii) Oriental style
(iii) Occidental style (iv) Ikebana
- 7 Storage of fruits using gases like CO₂ and O₂ is called.
(i) Air cooled storage (ii) Hypobasic storage
(iii) Refrigerated storage (iv) Controlled atmospheric storage
- 8 Papaya is propagated mainly through.
(i) seeds (ii) tissue culture
(iii) stem cutting (iv) root cutting
- 9 Applying water to the soil without aerial application is called.
(i) Overhead system irrigation (ii) pitcher method
(iii) Sub soil irrigation (iv) Surface irrigation
- 10 The removal of a narrow strip of bark just above or below the dormant lateral bus is called.
(i) Ringing (ii) Smudging
(iii) Notching (iv) Coppicing

SECTION - B (35 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 7 = 35)

- 11 a Describe the various methods of ground layering.

OR

- b Explain different aspects of cottage with reference to horticulture crops.

Cont...

- 12 a Briefly describe the layout of a modle kitchen garden.
OR
b Explain the cultivation and maintenance of potted plants in indoor garden.
- 13 a Briefly explain the propagation and nursery practices of Chrysanthemum.
OR
b Explain the propagation method of rose and jasmine.
- 14 a Give a detailed account of various methods of propagation of mango.
OR
b Give a brief account of cultivation and harvesting of banana.
- 15 a List out the advantages and disadvantages of drip irrigation.
OR
b Write critical notes on various methods of training employed in horticulture crops.

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks

(3 x 10 = 30)

- 16 Define horticulture. Give a detailed account of divisions of horticulture.
- 17 Write a detailed account of planning and designing of a garden.
- 18 Discuss in detail about flower arrangement and its types.
- 19 Give a detailed account of propagation and cultivation of grapes.
- 20 Discuss the role of hormones in horticulture.

Z-Z-Z

END