



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY

FOURTH SEMESTER – APRIL 2024

UPB 4602 – HORTICULTURE AND LANDSCAPING

Date: 15-04-2024

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

SECTION A - K1 (CO1)

Answer ALL the Questions

(10 x 1 = 10)

1. Fill in the blanks

- a) The gaps and rough edges in the flower design can be covered by using flowers.
- b) A florist arranges plants and into a pleasing design to attract customers.
- c) In a nursery is used for the initiation of roots in a shoot.
- d) The technique of aging in the creation of bonsai is called.....
- e) gardening involves integration of space, plants, and other accessories in an aesthetic manner to meet the needs of man.

2. State whether the following statements are TRUE or FALSE

- a) Pomology deals with fruit and nut crops.
- b) Fully opened fresh picked flowers are used for the extraction of Jasmine concrete.
- c) Vegetative propagation occurs naturally and artificially producing true to type plants.
- d) Large leaved plant species are most suitable for bonsai.
- e) The informal woodland garden is the natural descendant of the shrubby “wilderness” of earlier times.

SECTION A - K2 (CO1)

Answer ALL the Questions

(10 x 1 = 10)

3. Choose the correct answer

- a) is an example of transition zone grasses.
i) Kentucky blue grass ii) Cat tails iii) sedges iv) restios
- b) Which one of the following city has the famous rock garden?
i) Jaipur ii) Lucknow iii) Chandigarh iv) Simla
- c) Which of the following method is suitable for combining desirable characters of two plants together in a single plant?
i) Plant tissue culture ii) Cuttings iii) Layering iv) Grafting
- d) Which is an essential feature of water garden?
i) Fountain ii) statue iii) canal iv) pool
- e) Dead grass in the lawn is due to
i) chlorosis ii) dog urine iii) fertilizer iv) improper mowing

4. Answer the following, each in about 50 words

- a) Mention any two cool grasses.
- b) Define pomology.
- c) Distinguish between layering and cuttings.
- d) What is terrace gardening?
- e) Recall the Zen Garden.

SECTION B - K3 (CO2)

Answer any TWO of the following in 500 words

(2 x 10 = 20)

Draw diagrams / flowcharts wherever necessary

- 5. Write the importance of fresh cut flowers and add a note on caring for fresh cut flowers and

	foliage.
6.	Highlight the scopes and importance horticulture.
7.	Explain any five types of grafting.
8.	Outline the various features of a garden.
SECTION C – K4 (CO3)	
	Answer any TWO of the following in 500 words (2 x 10 = 20) Draw diagrams / flowcharts wherever necessary
9.	Write a brief account on the layout of kitchen garden and add a note on its importance.
10.	Briefly explain the salient features of a roof garden.
11.	Critically comment on the cultivation of plants by pot method.
12.	Present in detail about residential and non-residential garden.
SECTION D – K5 (CO4)	
	Answer any ONE of the following in 1000 words (1 x 20 = 20) Draw diagrams / flowcharts wherever necessary
13.	Explain about Florist operation and its features.
14.	Summarise the types and components of a nursery.
SECTION E – K6 (CO5)	
	Answer any ONE of the following in 1000 words (1 x 20 = 20) Draw diagrams / flowcharts wherever necessary
15.	Explain the various types of flower arrangements. Add a note on the various elements of art and principles of flower arrangement.
16.	Summarize the detail on the various plants used in the landscape and lawns.

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