

CBSE Class 12 Horticulture 2023 - Set 340 - Compartment

Question Paper

Conducted by the Central Board of Secondary Education (CBSE)



Time Allowed: 3 Hours

Maximum Marks: 60

General Instructions

- (i) Please read the instructions carefully.
- (ii) This question paper consists of 24 questions in two Sections: Section A and Section B.
- (iii) Section A has Objective Type Questions whereas Section B contains Subjective Type Questions.
- (iv) Out of the given $(6 + 18) = 24$ questions, a candidate has to answer $(6 + 11) = 17$ questions in the allotted maximum time of 3 hours.
- (v) All questions of a particular section must be attempted in the correct order.
- (vi) Section A: Objective Type Questions (30 marks). This section has 6 questions. There is no negative marking. Follow the instructions given; marks are mentioned against each question/part.
- (vii) Section B: Subjective Type Questions (30 marks). This section has 18 questions; answer 11. Follow the instructions given; marks are mentioned against each question/part.

Section A

1. Answer any 4 questions out of the given 6 questions on Employability Skills. $4 \times 1 = 4$

1(i). Write one way of managing stress.

1(ii). What is a spreadsheet ?

1(iii). Define personality.

1(iv). Write one environmental barrier faced by an entrepreneur.

1(v). Name one scheme of the Indian Government to help small scale entrepreneurs to gain capital.

1(vi). Name one popular spreadsheet software.

2. Answer any 5 out of the given 7 questions. $5 \times 1 = 5$

2(i). The full form of CAD is :

- | | |
|--------------------------------|-------------------------------|
| (A) Computer Associated Design | (B) Computer Aided Design |
| (C) Computer Aided Drawing | (D) Computer Assisted Drawing |

2(ii). Identify the incorrect pair.

Flower - Human feeling

- | | |
|-----------------------------|---|
| (A) Rose - Pride | (B) Lily - Purity |
| (C) Narcissus - Self-esteem | (D) French marigold - Sorrow and jealousy |

2(iii). The largest flower market in India is :

- | | |
|-----------------------------|----------------------------|
| (A) Pune mandi, Maharashtra | (B) Gazipur mandi, Delhi |
| (C) Azadpur mandi, Delhi | (D) Gurgaon mandi, Haryana |

2(iv). The minimum width of a pergola should be

- | | |
|-----------------|---------------|
| (A) 0.5 m | (B) 0.8 – 1 m |
| (C) 1.2 – 1.5 m | (D) 2 – 2.5 m |

2(v). Among the following flower arrangements, which is the most complex in nature ?

- | | |
|--------------------------|-------------------------------|
| (A) Vertical arrangement | (B) Hogarth curve arrangement |
| (C) Crescent arrangement | (D) Horizontal arrangement |

2(vi). The most common method of drying ornamental products is :

- | | |
|-------------------|----------------------|
| (A) Water drying | (B) Air drying |
| (C) Freeze drying | (D) Microwave drying |

2(vii). Rajat Rekha, Swarn Rekha, Calcutta Single are important cultivars of _____.

- | | |
|--------------|-------------------|
| (A) Tuberose | (B) Gladiolus |
| (C) Marigold | (D) Chrysanthemum |

3. Answer any 6 out of the given 7 questions. $6 \times 1 = 6$

3(i). Job opportunities which do not exist in commercial horticulture are :

- (A) Scientist/Lecturer/Teacher
(B) Manager/Supervisor
(C) Horticulture/Agriculture Officer
(D) Horti-Engineer

3(ii). Among the following plants, which is the most suitable for making topiary ?

- | | |
|---------------|-------------|
| (A) Cactus | (B) Thuja |
| (C) Aloe vera | (D) Tagetes |

3(iii). Growth and flowering of indoor plants are not affected by :

- (A) Light (B) Temperature
(C) Rainfall (D) Relative humidity

3(iv). CAD hardware does not include :

- (A) Monitor (B) Mouse
(C) Computer (D) CAD program

3(v). In which among the following, water drying is not used to dry flowers and foliage ?

- (A) Cornflower (B) Aegle marmelos
(C) Hydrangea (D) Baby's breath

3(vi). As a rule, the diameter of the pot should be about _____ the height of the plant from the top of foliage.

- (A) 1/2 (B) 1/3
(C) 1/5 (D) 1/7

3(vii). The sucrose content in pulsing solution is :

- (A) 0.5% – 2% (B) 1% – 5%
(C) 10% – 20% (D) 30% – 50%

4. Answer any 5 out of the given 6 questions.
 $5 \times 1 = 5$

4(i). Ideal depth of sunken garden is :

- (A) 20 cm (B) 50 cm
(C) 5 cm (D) 100 cm

4(ii). Which of the following statements is/are true for Rambler roses ?

1. They flower once in a year.
2. They flower in solitary.
3. The opened flowers last for one day.

- (A) Only 1 (B) 1 and 2
(C) 2 and 3 (D) 1, 2 and 3

4(iii). During freeze drying of flowers, the temperature is kept at _____.

- (A) – 5°C (B) – 15°C
(C) – 25°C (D) – 35°C

4(iv). Rex Begonia is propagated by :

- (A) Seed (B) Root cutting
(C) Leaf cutting (D) Air layering

4(v). Identify the Central University with the Floriculture faculty :

- (A) Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Faizabad, Uttar Pradesh
(B) Banaras Hindu University, Varanasi, Uttar Pradesh
(C) Dr. Yashwant Singh Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh
(D) Aligarh Muslim University, Aligarh, Uttar Pradesh

4(vi). Which one of the following is not a CAD software ?

- (A) Advance Design (B) Alibre Design
(C) AutoCAD (D) ZCAD

5. Answer any 5 out of the given 6 questions.
 $5 \times 1 = 5$

5(i). The national flower of India and Egypt is _____ and _____ respectively.

- (A) Rose, Lotus (B) Lotus, Lotus
(C) Lotus, Chrysanthemum (D) Lotus, Rose

5(ii). AutoCAD has been developed by _____.

- | | |
|-------------|-----------------|
| (A) AnyDesk | (B) Autodesk |
| (C) Google | (D) Design desk |

5(iii). Seed rate for planting of lawn is :

- | | |
|--|--|
| (A) 250 – 300 gm
seed/100 m ² area | (B) 500 – 600 gm
seed/100 m ² area |
| (C) 1000 – 1200 gm
seed/100 m ² area | (D) 150 – 160 gm
seed/100 m ² area |

5(iv). For making a green wall, the following plants are used :

- | | |
|-----------------------|----------------------------------|
| (A) Zoysia tenuifolia | (B) Ravenala
madagascariensis |
| (C) Hedera helix | (D) Axonopus affinis |

5(v). Which of the following is not a function of outdoor landscaping ?

- | | |
|---|-------------------------------------|
| (A) Extending the living
area of the home | (B) Absorb and filter
sun's heat |
| (C) Reduce electricity
bill for heating and
cooling | (D) Transparent look |

5(vi). Which statement is incorrect with respect to cultivation of carnation ?

- | | |
|---|---|
| (A) Calyx splitting is a
physiological
disorder. | (B) In spray cultivars,
terminal bud is
removed and lateral
buds are retained. |
| (C) In standard
cultivars, terminal
bud is retained and
all the lateral buds
are removed. | (D) Poor vase life |

6. Answer any 5 out of the given 6 questions.

5 × 1 = 5

6(i). Which flower is known as taruni pushpa or atimanjula in ancient Sanskrit literature ?

- | | |
|-----------|--------------|
| (A) Rose | (B) Tuberose |
| (C) Lotus | (D) Jasmine |

6(ii). Chrysanthemum is a

- | | |
|---------------------|--------------------------------------|
| (A) long day plant | (B) photoperiod
insensitive plant |
| (C) short day plant | (D) day neutral plant |

6(iii). Which of the following is not a reason behind accumulation of thatch in turf grass lawn ?

- | | |
|-----------------------------------|---|
| (A) Excess nitrogen and
water | (B) Deficiency of
nitrogen and water |
| (C) Chemical imbalance
in soil | (D) Earthworm and
burrowing insects |

6(iv). Presence of island in garden lake and ponds is an important feature of :

- | | |
|---------------------|-----------------------|
| (A) Japanese garden | (B) Australian garden |
| (C) American garden | (D) British garden |

6(v). Which one of the following is not an employment avenue in commercial floriculture industry ?

- | | |
|--------------------------------|-------------------|
| (A) Retail sale of
flowers | (B) Floral clinic |
| (C) E-auctioning of
flowers | (D) Cold storage |

6(vi). Which one of the following is not a dried floral product exported from India ?

- | | |
|--|-------------------|
| (A) Dried flower of
Camellia | (B) Lotus pods |
| (C) Naturally dried
plants from the
Himalayan region | (D) Corn granules |

Section B

Answer any 3 questions out of the given 5 questions on Employability Skills. Answer each question in 20 – 30 words. $3 \times 2 = 6$

7. Explain briefly about first-generation entrepreneurs.

8. What are the two ways by which one can overcome fear and take up new challenges ?

9. Explain the following qualities of a successful entrepreneur :

- (a) Willingness to take risks
- (b) Ability to learn from experience

10. List any two changes made in one's lifestyle that would help the person to maintain a positive attitude.

11. Write the steps to protect a spreadsheet.

Answer any 3 out of the given 5 questions in 20 – 30 words each. $3 \times 2 = 6$

12. Write the role of the following employment avenues in commercial floriculture :

- (a) Manufacturing of pots
- (b) Plant nursery

13. What is senescence ? How can it be controlled in cut flowers ?

14. Write about the two types of edges found in the garden.

15. Describe the process of repotting of indoor plants.

16. Write the essential salient characters of rose cultivars for cut flowers.

Answer any 2 out of the given 3 questions in 30 – 50 words each. $2 \times 3 = 6$

17. Describe the present scenario of floriculture sector in India.

18. What is topiary ? Write the characteristics of plants essential for topiary.

19. What is public area of home garden ? Explain any three key features.

Answer any 3 out of the given 5 questions in 50 – 80 words each. $3 \times 4 = 12$

20. Describe any four styles of Ikebana.

21. List the various key features found in the service or utility area of the home outer garden.

22. Describe the following cultural practices followed during the cultivation of Chrysanthemum :

- (a) 'Stopping' in Chrysanthemum
- (b) Disbudding and de-shooting in Chrysanthemum

23. What is a lawn? Describe the benefits of a lawn.

24. What is the right stage of harvesting carnation ? Explain the different storage methods of carnation cut flower.

- End of Question Paper -