

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) : (a) This section has 6 questions. (b) There is no negative marking. (c) Do as per the instructions given. (d) Marks allotted are mentioned against each question/part.
- (vii) Section B : Subjective Type Questions (30 marks) : (a) This section has 18 questions. (b) A candidate has to do 11 questions. (c) Do as per the instructions given. (d) Marks allotted are mentioned against each question/part. Section A (Objective Type Questions) (30 Marks)

Section A

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

1(i). Expand ICT.

1(ii). Define Stress.

1(iii). Write one characteristic of Borderline Personality Disorder.

1(iv). The National Institute of Entrepreneurship and Small Business Development comes under which Ministry of the Central Government ?

1(v). By default, how many text boxes appear in the first slide in LibreOffice Impress Software ?

1(vi). What is a Startup ?

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

2(i). Identify the incorrect statement about Hi-Tech Floriculture.

- | | |
|---|---|
| (A) It is an ultra-modern technology. | (B) It is technology highly dependent on environment. |
| (C) It is capital intensive technology. | (D) It gives higher productivity with better quality produce. |

2(ii). _____ refers to a specific area in the garden where only roses are planted.

- | | |
|-------------|------------|
| (A) Topiary | (B) Arch |
| (C) Pergola | (D) Rosary |

2(iii). Air layering is not used to propagate :

- | | |
|-------------------|--------------|
| (A) Dieffenbachia | (B) Dracaena |
| (C) Rubber plant | (D) Ficus |

2(iv). Plants which are not suitable for paved garden :

- | | |
|------------------------|-------------------------|
| (A) Lantana sellowiana | (B) Euphorbia splendens |
| (C) Bougainvillea | (D) Dianthus deltoides |

2(v). Which flower is insensitive to ethylene ?

- | | |
|---------------|-------------|
| (A) Carnation | (B) Rose |
| (C) Sunflower | (D) Gerbera |

2(vi). Lipstick, Dark Tempo, Cobra, Empire, Design are important cultivars of

- | | |
|-------------------|---------------|
| (A) Rose | (B) Carnation |
| (C) Chrysanthemum | (D) Marigold |

2(vii). Ikebana is basically a _____ floral art form.

- | | |
|--------------|-----------------|
| (A) Chinese | (B) Portuguese |
| (C) Japanese | (D) Philippines |

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

3(i). Calcutta Selection 1 is :

- | | |
|--|---|
| (A) the best variety of rose for making gulabjal | (B) a variety of grass used for lawn making |
| (C) a variety of tulip | (D) a suitable plant for topiary |

3(ii). Among the following, which is the topmost cut flower sold globally (value wise) ?

- | | |
|-----------|-------------|
| (A) Tulip | (B) Gerbera |
| (C) Rose | (D) Lilium |

3(iii). Which of the following plant is used in hedge with the objective of protection ?

- | | |
|--------------------|---------------------|
| (A) Hamelia patens | (B) Murraya exotica |
| (C) Opuntia | (D) Poinsettia |

3(iv). Leaf scorch, Bud blast, Puffy foliage are disorders of :

- | | |
|-----------|-------------|
| (A) Rose | (B) Gerbera |
| (C) Tulip | (D) Lily |

3(v). _____ is the treatment given immediately to harvested flowers with the objective of removing field heat.

- | | |
|-----------------|--------------|
| (A) Pre-cooling | (B) Freezing |
| (C) Pulsing | (D) Holding |

3(vi). First CAD software for creation of both 2-D and 3-D design is :

- | | |
|--------------|----------------|
| (A) AutoCAD | (B) ArchiCAD |
| (C) LinuxCAD | (D) WindowsCAD |

3(vii). The art of arrangement of flowers, fruits and vegetables is called :

- | | |
|---------------|--------------|
| (A) Moribana | (B) Morimono |
| (C) Zeneibana | (D) Jiyubana |

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

4(i). Which of the following is called French Marigold ?

- | | |
|--------------------|------------------------|
| (A) Tagetes erecta | (B) Tagetes patula |
| (C) Tagetes minuta | (D) Tagetes tenuifolia |

4(ii). The following is not used as humectant in preserving plants :

- | | |
|-------------------------|-------------------|
| (A) Glycerol | (B) Phospholipids |
| (C) Polyethylene glycol | (D) Comfort |

4(iii). Which of the following is not a physiological disorder of rose ?

- | | |
|---------------|-----------------|
| (A) Bull head | (B) Whiptail |
| (C) Bent neck | (D) Blind shoot |

4(iv). Cynodon dactylon is commonly known as _____.

- | | |
|------------------|--------------------|
| (A) Korean grass | (B) Bermuda grass |
| (C) Manila grass | (D) Elephant grass |

4(v). Plant which can be grown successfully as a pot plant under pergola is :

- | | |
|-----------------|---------------|
| (A) Bryophyllum | (B) Cineraria |
| (C) Rhoeo | (D) Crassula |

4(vi). In general, most of the indoor plants grow best at day temperature ranging from _____.

- | | |
|---------------|----------------|
| (A) 0 – 10°C | (B) 35 – 40°C |
| (C) 18 – 24°C | (D) Above 40°C |

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

5(i). Which place in India leads in having the highest number of ornamental plant nurseries ?

- | | |
|-------------|---------------|
| (A) Delhi | (B) Surat |
| (C) Kolkata | (D) Tuticorin |

5(ii). Coleus, Iresine plants are suitable for :

- | | |
|------------|----------------------|
| (A) Lawn | (B) Carpet bedding |
| (C) Arches | (D) Climber for gate |

5(iii). Among the following, which plant is commonly not used during foliage decoration ?

- | | |
|------------|------------------------|
| (A) Thuja | (B) Fern |
| (C) Cycads | (D) Prosopis juliflora |

5(iv). In Chrysanthemum, flowering occurs when critical day length is less than _____ .

- | | |
|----------------|---------------|
| (A) 11·5 hours | (B) 13 hours |
| (C) 10·5 hours | (D) 9·5 hours |

5(v). Which of the following is not a CAD programming software used in landscaping ?

- | | |
|--------------------|----------------------|
| (A) Advance Design | (B) Advance Steel |
| (C) Advance Garden | (D) Advance Concrete |

5(vi). American Beauty, Friendship, Oscar, Rose Supreme are important cultivars of :

- | | |
|---------------|--------------|
| (A) Rose | (B) Marigold |
| (C) Gladiolus | (D) Jasmine |

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

6(i). The term Topiary is derived from _____ .

- | | |
|-----------|--------------|
| (A) Greek | (B) Latin |
| (C) Roman | (D) Sanskrit |

6(ii). The largest flower market in the world is situated at _____ .

- | | |
|--------------------------------|----------------------------------|
| (A) Aalsmeer (The Netherlands) | (B) Azadpur Mandi (Delhi, India) |
| (C) Florida (USA) | (D) London (UK) |

6(iii). Which of the following is the intangible enrichment item in the garden ?

- | | |
|---------------|-----------|
| (A) Stone | (B) Water |
| (C) Fragrance | (D) Birds |

6(iv). Which of the following plant can be grown in light shade (10% light) ?

- | | |
|----------------|-----------------|
| (A) Coleus | (B) Bryophyllum |
| (C) Thunbergia | (D) Hydrangea |

6(v). Which of the following occupation is not a directly associated component of commercial floriculture ?

- | | |
|-------------------------|------------------------|
| (A) Manufacturing pots | (B) Packaging material |
| (C) Greenhouse material | (D) Flori-clinics |

6(vi). Table decoration with flowers is an example of which type of flower arrangement ?

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

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. Enlist four characteristics of entrepreneurship.

8. List two benefits of having a positive attitude in life.

9. Explain service entrepreneur.

10. Differentiate between worksheet and workbook.

11. What will happen when the following buttons are pressed together on a keyboard ?

- (a) Ctrl + P
- (b) Ctrl + U

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

12. Define the following :

- (a) Floriculturist
- (b) Florist

13. Explain the importance of pinching and pruning of indoor plants.

14. Write the four functions which are served by the private or family area in home landscaping.

15. Explain the role of humidity in the growth of indoor plants.

16. What is flower arrangement ? How does the colour of the flower play an important role in flower arrangement ?

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

17. What are the general guidelines to be kept in mind while developing an outdoor room ?

18. Explain the three basic types of CAD systems.

19. List the various parameters on which the grading of flowers is done after their harvest. (Any three)

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

20. Describe any four indirectly associated employment generation avenues which get a boost with the development of commercial floriculture.

21. What is dehydration technology of ornamental plant parts ? Explain the following dehydration technologies :

- (a) Natural drying
- (b) Air drying

22. Write short notes on any four of the following :

- (a) Shrubbery
- (b) Bird Baths
- (c) Sundials
- (d) Floral Clocks
- (e) Garden Seats
- (f) Statues
- (g) Ornamental Tubs / Urns and Vases

23. Describe any four commercial products obtained from Rose.

24. Describe the establishment and maintenance of lawn on the given points :

- (a) Site selection and soil preparation
- (b) Irrigation

- End of Question Paper -