

CBSE | DEPARTMENT OF SKILL EDUCATION

HORTICULTURE (SUBJECT CODE - 816)

Blue-print for Sample Question Paper for Class XII (Session 2022-2023)

Max. Time: 3 Hours

Max. Marks: 60

PART A - EMPLOYABILITY SKILLS (10 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	
1	Communication Skills-IV	-	-	-
2	Self-Management Skills-IV	2	2	4
3	Information and Communication Technology Skills-IV	2	1	3
4	Entrepreneurial Skills-IV	2	2	4
5	Green Skills-IV	-	-	-
TOTAL QUESTIONS		6	5	11
NO. OF QUESTIONS TO BE ANSWERED		Any 4	Any 3	07
TOTAL MARKS		1 x 4 = 4	2 x 3 = 6	10 MARKS

PART B - SUBJECT SPECIFIC SKILLS (50 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS-I	SHORT ANSWER TYPE QUESTIONS-II	DESCRIPTIVE/ LONG ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	3 MARKS EACH	4 MARKS EACH	
1.	Present scenario and scope of floriculture in global market	3				3
2.	Employment avenues in floriculture sector	2		1		3
3.	Study of outdoor room concept: public area, private area and service area	2				2
4.	Different features of gardens like gate, walls, arches, pergolas, paths, roads, edges, hedges, stepping stones, sun dial, bird bath, statues, water fountain, lawns, herbaceous borders, bonsai, topiary etc.	3	1		1	5

5.	Concept of CAD (Computer aided designs) for landscape designs	2		1		3
6.	Methods of establishing lawns and their management including irrigation, fertilization, mowing, insect-pest and diseases and their control.	3	1		1	5
7.	Production of indoor plants and their maintenance.	3	1			4
8.	Commercial cultivation of rose, chrysanthemum, gladiolus, marigold, tuberose, jasmine and crossandra.	3			1	4
9.	Protected cultivation of commercial flower crops like rose, carnation, chrysanthemum, gerbera, orchids, antirrhinum etc.).	3		1	1	5
10.	Flower arrangements: types and styles.	3				3
11.	Methods of dry flower making like air drying, embedded drying, water drying, press drying, glycerin drying, freeze drying etc. and other value added products.	2	1			3
12.	Post-harvest handling of commercial flower crops including harvesting, pre cooling, pulsing, holding, dry and wet storage, packing, packaging and transportation.	3	1		1	5
TOTAL QUESTIONS		32	5	3	5	45
NO. OF QUESTIONS TO BE ANSWERED		Any 26	Any 3	Any 2	Any 3	34
TOTAL MARKS		1 x 26= 26	2 x 3 = 6	3 x 2 = 6	4 x 3 = 12	50 MARKS

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HORTICULTURE (SUBJECT CODE-816)

Blue-print for Sample Question Paper for Class XII (Session 2022-2023)

Max. Time: 3 Hours

Max. Marks: 60

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of **24 questions** in two sections – Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. **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.**
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (30 MARKS):**
 - i. This section has 06 questions.
 - ii. There is no negative marking.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.
7. **SECTION B – SUBJECTIVE TYPE QUESTIONS (30 MARKS):**
 - i. This section contains 18 questions.
 - ii. A candidate has to do 11 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

SECTION A: OBJECTIVE TYPE QUESTIONS

Q. 1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
i. personality trait is related to being calm, self-confident and cool.	1
ii.	Write any 2 sources of motivation and inspiration	1
iii.	Write keyboard shortcut for cut and paste command.	1
iv.	Write any 2 behavioral and entrepreneur competencies required for being an entrepreneur	1
v.	Explain why spreadsheet application have become popular	1
vi.	Expand S.M.A.R.T	1

Q. 2	Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)	
i	Flower crop which is being exported from India in February A. Rose B. Carnation C. Liliun D. Chrysanthemum	1
ii	Common method of propagation of lawn grass A. Seeds B. Dibbling C. Turfing D. Turf plastering	1
iii	Plants not suitable for topiary making A. <i>Clerodendron inerne</i> B. <i>Duranta plumieri</i> C. <i>Murraya exotica</i> D. <i>Nelumbo nucifera</i>	1
iv	Taj Mahal is one of the popular variety for protected cultivation of which crop A. Gladiolus B. China aster C. Rose D Chrysanthemum	1
v	Full form of CAD is A. Computer Added Design B. Computer Added Diploma C. Computer Aided Design D. Computer Aided Draft	1
vi	Which of the following marigold variety belongs to French Group A. Pusa Narangi Gainda B. Pusa Basanti Gainda C. Pusa Arpita D. Pusa Bahar	1
vii.	Which indoor plant propagated through nodal/cane stem cuttings A. <i>Dieffenbachia</i> B. <i>Peperomia</i> C. <i>Sansevieria</i> D. <i>Kalanchoe</i>	

Q. 3	Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)	
i.	Which of following essential oil rich flower crops are being commercially utilized in perfumery industries A. Rose B. Mint C. Sunflower D. Coriander	1
ii.	Desiccant commercially used for drying flowers A. Silica gel B. Boron C. Sulfur D. Dust	1
iii.	Public area of outdoor rooms includes the features A. Front yard B. Orchard C. Garage D. Swimming Pool	1
iv.	Flower arrangement formed by combination of flowers, fruits and vegetables A. Zeneika B. Nageire C. Jiyubana D. Morimono	1
v.	Geotropic bending is a common post-harvest disorder of crop A. Carnation B. Liliun C. Gladiolus D. Rose	1
vi.	Name the country where the largest flower auction centre is located A. The Netherlands B. Australia C. Japan D. Srilanka	1
vii.	Jasmine belongs to family A. Rosaceae B. Oleaceae C. Compositae D. Iridaceae	

Q. 4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Ideal temperature range required by indoor plants during day time A. 15-21 °C B. 30-35 °C C. 8-10 °C D. 40-45 °C	1
ii.	Which of the following is fragrant flowering shrubs suitable for outdoor landscaping A. <i>Ficus benjamina</i> B. <i>Duranta plumieri</i> C. <i>Hamelia patens</i> D. <i>Cestrum nocturnum</i>	1
iii.	Scientific name of tuberose A. <i>Scindapsus aureus</i> B. <i>Aglaonema commutatum</i> C. <i>Coleus blumei</i> D. <i>Polianthes tuberosa</i>	1
iv.	Which of following is a loose flower crop A. Heliconia B. Lilium C. Carnation D. Marigold	1
v.	Most common weed of lawn grass is A. <i>Cyperus rotundus</i> B. <i>Chenopodium album</i> C. <i>Amaranthus</i> spp. D. <i>Rumex acetosella</i>	1
vi.	Process of removing field heat from flowers is known as A. Pulsing B. Pre cooling C. Holding D. Grading	1

Q. 5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Picotees is popular flower type in crop A. Chrysanthemum B. Carnation C. Rose D. Gladiolus	1
ii.	Plant suitable for making edge A. <i>Bougainvillea</i> spp. B. <i>Duranta plumieri</i> C. <i>Alternanthera</i> spp. D. <i>Hamelia patens</i>	1
iii.	Hikae is placed in flower vase at an angle of A. 15 B. 45 C. 35 D. 75	1
iv.	Swarna Rekha and Rajat Rekha are popular varieties of A. Rose B. Tuberose C. Gladiolus D. Chrysanthemum	1
v.	Which one of the following is not a traditional Ikebana arrangement A. Heaven (Shin) B. Man (Soe) C. Earth (Hikae) D. Freestyle	1
vi.	Herbaceous border is a characteristic feature of which type of garden A. Italian garden B. English garden C. French garden D. Japanese garden.	1

Q. 6	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Most of the cultivars of chrysanthemum are A. Long day B. Short day C. Day neutral D. Medium long day	1
ii.	In one mowing, how much portion of lawn grass should be cut A. 1/2 B. 2/3 C. 1/4 D. 1/3	1
iii.	Hormone responsible for senescence in flowers A. Auxins B. Cytokinins C. Gibberleins D. Ethylene	1
iv.	Water drying is suitable for drying A. Lavender B. Corn C. Baby's Breath D. Stem	1
v.	A person involved in business of cut flowers, cut foliage and floral arrangements is A. Florist B. Floriculturist C. Entomologist D. Pathologist	1
vi.	Which of the following software used for Computer Aided Design A. Turnitin B. Auto CAD C. Archi CAD D. Microsoft	1

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks)

Answer each question in 20 – 30 words.

Q. 7	What do you mean by personality?	2
Q. 8	Explain the role of book in self-motivation.	2
Q. 9	What do you understand by the term presentation?	2
Q. 10	Explain interpersonal skills for an entrepreneur.	2
Q. 11	Name any two software package for presentations.	2

Answer any 3 out of the given 5 questions in 20 – 30 words each (2 x 3 = 6 marks)

Q. 12	What do you understand by term bonsai?	2
Q. 13	What is terrarium culture?	2
Q. 14	What is role of mowing in lawn grasses?	2
Q. 15	Define floral preservatives.	2
Q. 16	What are potpourris?	2

Answer any 2 out of the given 3 questions in 30– 50 words each (3 x 2 = 6 marks)

Q. 17	Importance of CAD in landscaping, (Any six points)	3
Q. 18	Floriculture as an employment generation sector.	3
Q. 19	Type of pinching in carnation.	3

Answer any 3 out of the given 5 questions in 50– 80 words each (4 x 3 = 12 marks)

Q. 20	Write the protected cultivation of chrysanthemum with respect to soil and climate, major insects-pests and diseases.	4
Q. 21	Write in detail about the different methods of storage of cut flowers.	4
Q. 22	Explain in detail the different features of gardens in respect of hedge, edges, carpet bedding and garden adornments.	4
Q. 23	Explain any four various maintenance operations required for lawn making.	4
Q. 24	Write the commercial cultivation of gladiolus with respect to soil and climate, major insects-pests and diseases.	4