

Enrollment No.....



Faculty of Agriculture
End Sem Examination May-2024
AG3CO26

Production Technology for Ornamental Crops, MAP &
Landscaping

Programme: B.Sc. (Hons.) Branch/Specialisation: Agriculture

Duration: 3 Hrs.

Maximum Marks: 50

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

- Q.1 i. The leading Indian state in floriculture trade is _____. **1**
(a) Gujarat (b) Haryana (c) Karnataka (d) Madhya Pradesh
- ii. Leading country of cut flower import is _____. **1**
(a) Russia (b) Japan (c) USA (d) Israel
- iii. Wilt is severe disease of _____ **1**
(a) Rose (b) Carnation (c) Gladiolus (d) Chrysanthemum
- iv. Gladiolus belongs to _____ family. **1**
(a) Rosaceae (b) Compositae
(c) Solanaceae (d) Iridaceae
- v. Which of the following is not used in cut flower? **1**
(a) Rose (b) Carnation (c) Marigold (d) Chrysanthemum
- vi. Jasminum grandiflorum contain essential oil ____ **1**
(a) 0.20-0.25% (b) 0.25-0.30%
(c) 0.30-0.35% (d) 0.35-0.40%
- vii. What is the family of geranium? **1**
(a) Geraniaceae (b) Gizerbaceae
(c) Genotaceae (d) Asteraceae
- viii. Chromosome number (2n) of rose is ____ **1**
(a) 12 (b) 14 (c) 16 (d) 18
- ix. MAP is the study of _____. **1**
(a) Mushroom cultivation (b) Medicinal and aromatic plant
(c) Fruit cultivation (d) Flower cultivation

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- x. Mint belongs to family- **1**
 (a) Orchidaceae (b) Anacardiaceae
 (c) Asteraceae (d) Lamiaceae
- Q.2 i. Define climbers. **1**
 ii. Define aromatic plant. **2**
 iii. Illustrate the principles of landscaping in brief. **5**
- OR iv. Write down the importance and scope of ornamental crops. **5**
- Q.3 i. Write the botanical name and family of gerbera. **1**
 ii. Write down the production technology of tuberose based on following heads: **3**
 (a) Botanical name and family
 (b) Varieties
 (c) Methods of propagation
- iii. Write down the production technology of chrysanthemum based on following heads: **4**
 (a) Botanical name, family and origin
 (b) Varieties
 (c) Methods of propagation
 (d) Harvesting and yield
- OR iv. Write down the production technology of gladiolus based on following heads: **4**
 (a) Botanical name, family and origin
 (b) Varieties
 (c) Methods of propagation
 (d) Harvesting and yield
- Q.4 i. What do you understand by loose flower? Give some examples. **2**
 ii. Write down the production technology of jasmine in detail. **6**
- OR iii. Write down the production technology of marigold in detail. **6**
- Q.5 i. Define aromatic plants with some examples. **2**
 ii. Write down the botanical name, family and origin of lemongrass. **2**
 iii. Write down production technology of vetiver. **4**

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- OR iv. Write down the production technology of asparagus based on following heads: **4**
 (a) Botanical name, Family and origin
 (b) Varieties
 (c) Methods of propagation
 (d) Harvesting and yield
- Q.6 Attempt any two:
- i. Define value addition. Write down the importance of value addition of ornamental crops. **4**
- ii. Describe the methods of distillation and explain water distillation methods and its advantage. **4**
- iii. Write down the important features of essential oil and write down the presence of essential oil in different crops. **4**

Marking Scheme

Production Technology for Ornamental Crops, MAP & Landscaping (T) - AG3CO26 (T)

Q.1	i)	The leading Indian state in floriculture trade is _____. (c) Karnataka	1
	ii)	Leading country of cut flower import is _____. (c) USA	1
	iii)	Wilt is severe disease of (b) Carnation	1
	iv)	Gladiolus belongs to _____ family. (d) Iridaceae	1
	v)	Which of the following is not used in cut flower (c) Marigold	1
	vi)	Jasminum grandiflorum contain essential oil ____ (b) 0.25-0.30%	1
	vii)	What is the family of geranium (a) Geraniaceae	1
	viii)	Chromosome number (2n) of rose is ____ (b) 14	1
	ix)	MAP is the study of _____. (b) Medicinal and aromatic plant	1
	x)	Mint belongs to family (d) Lamiaceae	1
Q.2	i.	Define climbers.	1
	ii.	Define aromatic plant.	2
	iii.	Illustrate principles of landscaping in brief.	5
OR	iv.	Write down importance and scope of ornamental crops.	5
Q.3	i.	Write the botanical name and family of gerbera.	1
	ii.	Write down the production technology of tuberose based on following heads: (a) Botanical name and Family -1 Marks (b) Varieties -1 Marks (c) Methods of propagation -1 Marks	3
	iii.	Write down the production technology of chrysanthemum based on following heads: (a) Botanical name and Family, origin -1 Marks	4

OR	iv.	(b) Varieties	-1 Marks	4
		(c) Methods of propagation	-1 Marks	
		(d) Harvesting and yield	-1 Marks	
		Write down the production technology of gladiolus based on following heads: (a) Botanical name and Family, origin -1 Marks (b) Varieties -1 Marks (c) Methods of propagation -1 Marks (d) Harvesting and yield -1 Marks		
Q.4	i.	What do you understand by loose flower? Give some examples.	-1 Marks -1 Marks	2
	ii.	Write down the production technology of jasmine in brief.		6
OR	iii.	Write down the production technology of marigold in brief.		6
Q.5	i.	Define aromatic plants with some examples.		2
	ii.	Write down the botanical name, family and origin of lemongrass.		2
	iii.	Write down production technology of vetiver.		4
OR	iv.	Write down the production technology of asparagus based on following heads: (a) Botanical name and Family, origin -1 Marks (b) Varieties -1 Marks (c) Methods of propagation -1 Marks (d) Harvesting and yield -1 Marks		4
Q.6	i.	Define value addition. Write down the importance of value addition of ornamental crops.	-2 Marks -2 Marks	4
	ii.	Describe the methods of distillation explain water distillation methods write its advantage.	-2 Marks -1 Marks -1 Marks	4
	iii.	Write down the important features of essential oil presence of essential oil in different crops.	-2 Marks -2 Marks	4