

**PARUL UNIVERSITY**  
**COLLEGE OF AGRICULTURE**  
**B.Sc. (Hons.) Agriculture Summer 2021-22**

Semester: 05

Date: 08/04/2022

Subject Code: 20108308

Time: 10:30 am to 01:00 pm

Subject Name: Protected cultivation

Total Marks: 50

**Instructions**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

**Q.1 Do as Directed.****A. Fill in the blanks. (Each of 0.50 marks)****(5)**

1. Yellow colour variety of capsicum is \_\_\_\_\_.
2. Major pest of capsicum is \_\_\_\_\_.
3. Kekies are present in \_\_\_\_\_ flower crop.
4. Her Majesty is the variety of \_\_\_\_\_ flower.
5. \_\_\_\_\_ flower has highest area of green house in the world.
6. Type of greenhouse in which the temperature and light are automatically controlled is called \_\_\_\_\_.
7. Gerbera is propagated by \_\_\_\_\_.
8. Size of polyethylene sheet used in polyhouse is \_\_\_\_\_ micron
9. Family of capsicum is \_\_\_\_\_.
10. In low cost green house.....frame is used for support

**B. Multiple choice type questions. (Each of 0.50 mark)****(10)**

1. Gerbera is used as a -----
 

a. Cut flower	b. Ornamental
c. Praying god	d. Vani making
2. Fruit cracking in capsicum is due to deficiency of \_\_\_\_\_.
 

a. Mn	b. B
c. Zn	d. Ca
3. Rose fruit is known as \_\_\_\_\_.
 

a. Panicle	b. Hip
c. Both a and b	d. Cluster
4. Which type of flower present in cucumber grown in green house.
 

a. Hermaphrodite	b. Andro- monoecious
c. Male	d. Female
5. In cucumber fruit drop is due to .....
 

a. Low temperature	b. Improper pollination
c. Access nitrogen	d. Water logging condition
6. In tomato, Blossom End Root (BER) is caused by .....deficiency .
 

a. B	b. Mg
c. Zn	d. Ca
7. Which orchid species is grown in India
 

a. Dendrobium	b. Cattleya
c. Vanda	d. Phalvensis
8. Family of gerbera is
 

a. Orchidaceae	b. Asteraceae
c. Rosaceae	d. Solanaceae
9. There are ----- and ----- type of Gerbera
 

a. Mix and Hi-value	c. Medium and high
c. Low and medium	d. Single and double
10. Epiphytic means
 

a. Rocks	b. Tree
c. Ground	d. Dead and Decay

- 11 Fruit cracking in tomato is due to  
 a B deficiency  
 c Mg  
 b Zn deficiency  
 d N deficiency
- 12 Botanical name of gerbera is  
 a *Jarbera jamesonii*  
 c *Gladiolus grandiflorus*  
 b *Targot gerber*  
 d *Dendrobium spp.*
- 13 Tomato red colour is due to  
 a Lycopene  
 c Carotene  
 b Anthocynine  
 d B-carotene
- 14 Family of rose is  
 a Orchidaceae  
 c Rosaceae  
 b Asteraceae  
 d Solanaceae
- 15 Origin of gerbera is  
 a South Asia  
 c East Asia  
 b Tropical America  
 d South Africa
- 16 Gerbera Inflorescence is known as  
 a Capitulum  
 c Solitary  
 b Panicle  
 d Cyme
- 17 Which family is largest  
 a Asteraceae  
 c Orchidaceae  
 b Rosaceae  
 d Solanaceae
- 18 Chocolate colour variety of rose is \_\_\_\_\_.  
 a. Parasmani  
 b. Gladiator  
 b. Mohini  
 d. Grand gala
- 19 Which type of bed is used in greenhouse cultivation  
 a Sunken bed  
 c Flat bed  
 b Raised bed  
 d All of the above
- 20 Which type of soil is used in greenhouse  
 A Black  
 C Sandy  
 b Red  
 d Sandy loam

**Q.2 A. Define following (Any Five).**

1. High-tech greenhouse
2. Greenhouse
3. Pinching
4. Pruning
5. Kekies
6. Farmyard manure

(5)

**B. Answer the following. (Any Five)**

1. Enlist cladding material of green house
2. Enlist pest and diseases of capsicum
3. Botanical name and family of Rose, Cucumber, Tomato
4. Enlist the forms of Tomato
5. Explain pinching technique in Rose.
6. Why rose flower demand high in Dec.- Feb.?

(5)

**Q.3 Write short notes. (Any Five)**

1. Enlist the scope of green house and problem in green house
2. Write down about various vegetative propagation methods for different floricultural crops.
3. Difference between Determinate and Indeterminate type of tomato
4. Orchid type based on habit and growth
5. Fumigation process in greenhouse?
6. Discuss the physiology disorder of tomato crop

(10)

**Q.4 Attempt any Three/Long Questions/Example**

1. Classification of green house
2. Discuss the scientific cultivation practices of tomato
3. Describe all necessary operation held during the cultivation of rose
4. Discuss the scientific cultivation practices of capsicum

(15)