

PARUL UNIVERSITY
COLLEGE OF AGRICULTURE

B.Sc. (Hons.) Agriculture Winter 2019 – 20 Examination

Semester: 5

Date: 27/11/2019

Subject Code: 20108308

Time: 10:30 am to 1:00 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. Family of capsicum.....
2. In low cost green house.....frame is used for support.
3. Gerbera is propagated by _____.
4. Her Majesty is the variety of _____ flower.
5.has highest area of green in the world.
6. The temperature and light are automatically controlled its called which type of greenhouse.....
7. Kekies present in _____ flower crop
8. How many micron polyethylene sheet use in polyhouse
9. Yellow colour variety of capsicum.....
10. Major pest of capsicum

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

1. Chocolate colour variety of rose _____.
 - a. priydarshni
 - b. Mohini
 - c. Gladiator
 - d. Grand gala
2. Fruit cracking in tomato and capsicum due to deficiency of _____.
 - a. Mn
 - b. B
 - c. Zn
 - d. Ca
3. Rose fruit 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 variety?
 - a. Hermaphodite
 - b. Andro- monoecious
 - c. Male
 - d. Female
5. In cucumber fruit drop due to
 - a. Low temperature
 - b. Improper pollination
 - c. Access nitrogen
 - d. Water logging condition
6. In tomato, Blossom End Root (BER) caused bydeficiency .
 - a. B
 - b. Mg
 - c. Zn
 - d. Ca
7. Which orchid growing in India?
 - a. Dendrobium
 - b. Cattleya
 - c. Vanda
 - d. phalvensis
8. Gerbera use as a -----
 - a. Cut flower
 - b. Ornamental
 - c. Praying god
 - d Vani making
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 deficiency
12. Botanical name of gerbera
a. *Jarbera jamesonii*
c. *Gladiolus grandiflorus*
13. Family of gerbera
a. Orchidaceae
c. Rosaceae
15. Origin of gerbera
a. South Asia
c. East Asia
16. Gerbera Inflorescence
a. Capitulum
c. Solitary
17. Which family is largest?
a. Asteraceae
c. Orchidaceae
18. Tomato red colour is due to
a. Lycopene
c. Carotene
19. Which type bed is used in greenhouse cultivation?
a. Shunken bed
c. Flat bed
20. Which type of soil is use in greenhouse?
a. Black
c. Sandy
- b. Zn deficiency
d. N deficiency
- b. *Targot gerber*
d. *Dendrobium spp.*
- b. Asteraceae
d. Solanaceae
- b. Tropical America
d. South Africa
- b. Panicle
d. Cyme
- b. Rosaceae
d. Solanaceae
- b. Anthocynine
d. B-carotene
- b. Raised bed
d. All of the above
- b. Red
d. Sandy loam

Q.2	A. Define following (Any Five).	(5)
	1. High-tech greenhouse	
	2. Greenhouse	
	3. Pinching	
	4. Pruning	
	5. Kekies	
	6. Staking	
	B. Answer the following. (Any Five)	(5)
	1. Why rose flower demand high in Dec.- Feb.?	
	2. Explain pinching technique in Rose.	
	3. Botanical name and family of Rose , Cucumber ,Tomato.	
	4. Enlist the forms of Tomato.	
	5. Enlist pest and diseases of capsicum.	
	6. Enlist cladding material of green house.	
Q.3	Write short notes. (Any Five)	(10)
	1. Fumigation process in greenhouse?	
	2. Discuss the physiology disorder of tomato crop.	
	3. Difference between Determinate and Indeterminate type of tomato.	
	4. Orchid type based on habit and growth.	
	5. Enlist the scope of green house and problem in green house.	
	6. Write down about various vegetative propagation methods for different floricultural crops.	
Q.4	Attempt any Three/Long Questions/Example	(15)
	1. Describe all necessary operation held during the cultivation of rose.	
	2. Discuss the scientific cultivation practices of tomato.	
	3. Classification of green house in detail.	
	4. Discuss the scientific cultivation practices of capsicum.	