

**PARUL UNIVERSITY  
COLLEGE OF AGRICULTURE**

**B.Sc. (Hons.) Agriculture Examination Summer 2021-22**

Semester: 3<sup>rd</sup>

Date: 25-03-2022

Subject Code: 20108202

Time: 2:00pm To 4:30 pm

Subject Name: Production Technology for Vegetables and Spices

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 0.5 mark)****(05)**

1. Golden acre is a variety of.....
2. Cardamom hills are located in.....
3. The queen of spices is .....
4. BM is stands for .....
5. Garlic is propagated by .....
6. The king of spices is .....
7. In our diet staple vegetable is .....
8. Botanical name of coriander is .....
9. Edible part of Agathi is .....
10. Arka Pitambar and Arka Kirtiman are hybrids of.....

**B. Multiple choice type questions. (Each of 0.5 mark)****(10)**

1. Branch of science that deals with study of principles of propagation and production of vegetables is called \_\_\_\_\_.  

a) Olericulture	c) Pomology
b) Floriculture	d) None
2. Which of the following chilli varieties is resistant to leaf curl  

a) Pusa Jwala	c) Pusa Sadabahar
b) Pant C-1	d) All of these
3. Aphid resistant variety of Brinjal \_\_\_\_\_.  

a) Pant Rituraj	c) Annamalai
b) KKM-1	d) Pusa Bhairav
4. Olericulture term is a \_\_\_\_\_ word.  

a) Latin	c) Greek
b) French	d) NONE
5. Brinjal plant has -----types of flower  

a) Heterostyly	c) Distyly
b) Tristyly	d) NONE
6. Pungency in chilli is due to alkaloid\_\_\_\_\_.  

a) Capsanthin	c) Capsaicin
b) Solasodine	d) Lycopene
7. Green leafy vegetables are rich source of  

a) Citric acid	c) Folic acid
b) Malic acid	d) All of above

8. Curing is important post harvest practices of which crop \_\_\_\_\_
- a) Ginger  
b) Chilli  
c) Cumin  
d) Black pepper
9. \_\_\_\_\_ is the major disease of ginger.
- a) Soft rot or rhizome rot  
b) both a and b  
c) Damping off  
d) NONE
10. Family of cole crops \_\_\_\_\_.
- a) Brassicaceae  
b) Cucurbitaceae  
c) Solanaceae  
d) NONE
11. BER stands for
- a) Blossom End Rot  
b) Ber End Rot  
c) Base End Rot  
d) NONE
12. Family of Cassava is
- a) Brassicaceae  
b) Cucurbitaceae  
c) Solanaceae  
d) Euphorbiaceae
13. Polishing and colouring are post harvest practices of which crop \_\_\_\_\_.
- a) Ginger  
b) Chilli  
c) Turmeric  
d) Black pepper
14. Botanical name of Black pepper is \_\_\_\_\_.
- a) *Curcuma longa*  
b) *Coriandrum sativum*  
c) *Piper nigrum*  
d) NONE
15. Which of the following is a physiological disorder of potato
- a) Fuzziness  
b) Hollow or Black Heart  
c) Ricyness  
d) NONE
16. \_\_\_\_\_ is the major disease of turmeric.
- a) Soft rot or rhizome rot  
b) both a and b  
c) Damping off  
d) NONE
17. Edible part of cabbage is known as \_\_\_\_\_.
- a) Curd  
b) Leaf  
c) Head  
d) None
18. Frog eye rot is a physiological disorder of
- a) Chilli  
b) Potato  
c) Yam  
d) Tomato
19. Growth crack is a physiological disorder of sweet potato occurs due to
- a) Excessive Nitrogen  
b) Boron deficiency  
c) Moisture imbalance  
d) Calcium deficiency
20. Botanical name of turmeric is \_\_\_\_\_.
- a) *Curcuma longa*  
b) *Coriandrum sativum*  
c) *Piper nigrum*  
d) None

## Q.2

A. Define the following. (Any 5 out of 7) (1 mark each)

(05)

1. Vegetable
2. Damping off
3. Scooping
4. Bolting
5. Spices
6. Propagation
7. Blanching

**B. Answer the following. (Any 5 out of 7) (1 mark each)**

**(05)**

1. List out the physiological disorders of Onion?
2. Give the uses of Lettuce Crop ?
3. Why brinjal is known as “Poor man’s crop”?
4. Enlist the different types of vegetable garden.
5. Write the botanical name and family of Garlic ?
6. Why blanching is important in cauliflower?
7. Give any four varieties of potato ?

**Q.3 Write short notes. (Any 5 out of 6) (2 marks each)**

1. Importance and scope of spices.
2. Enlist the different type forms of tomato.
3. Explain Bolting in Cabbage ?
4. Write down Climate and Soil requirement of Pea ?
5. Explain Harvesting of Spinach ?
6. Kitchen gardening

**(10)**

**Q.4 Attempt any Three out of Four/Long Questions/Example (5 marks each)**

**(15)**

1. Explain Physiological disorders of Potato in detail ?
2. Importance and scope of vegetables
3. Difference between Chilli and Capsicum.
4. Discuss the scientific cultivation practices of Tomato.