

Instruction: All questions in **Section - I** carry equal marks.
 Attempt any **Three** questions in **Section - I**.
 Questions I in **Section-II** is **COMPULSORY**.

Section - I

Q-I	A – Write advantages of Nutrient management.	7
	B – Describe components of Nutrient management.	7
Q-II	A – What is integrated Nutrient management? Why it is needed?	7
	B – Shot note on cultivars of fruits.	7
Q- III	A – Explain: Physiology of flowering.	7
	B – Describe: Germ plasm conservation	7
Q- IV	A-Explain: Cryopreservation and seed storage.	7
	B-Describe fruit set and maturity with example.	7
Q-V	A-Explain in details: significant locally grown root vegetables radish, carrot, beet and it's cultivars.	7
	B- Explain in details: Significant locally grown fruit vegetables tomato, brinjal, okra and it's cultivars.	7
Q-VI	A-Describe the agro techniques for the production of vegetables and recent trends in propagation for olericulture.	7
	B-Why vegetable growing is important? Advanced techniques of cultivation in olericulture.	7
Q-VII	A- Describe pollination in vegetable crops.	7
	B-Give brief description on Photoperiodism and Vernalization.	7
Q-VIII	A-Describe harvesting methods for vegetable crops.	7
	B-Describe post-harvest handling for vegetables.	7

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Section II

Q- IX

8

1. Gujarat has variety of soil and?
 - a. Temperature
 - b. Irrigation
 - c. Rainfall pattern
 - d. All of these

2. Major fruits of Gujarat are?
 - a. Banana
 - b. Mango
 - c. Sapota
 - d. All of these

3. Horticulture plays an important role in India's economy accounting for about.....
 - a. 33.70%
 - b. 30.70%
 - c. 28.90%
 - d. 31.60%

4. Horticulture sector provides employment for..... of the labour force.
 - a. 35%
 - b. 26%
 - c. 20%
 - d. 17%

5. From these, which one is not traditional vegetable?
 - a. Bitter Gourd
 - b. Chilli
 - c. Okra
 - d. Green peas

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6. In non-traditional vegetables included....
- Asparagus
 - Sweet pepper
 - Baby corn
 - All of these
7. A cold temperature treatment required by certain species in order to induce flowering is known as _____
- Photoperiodism
 - Vernalization
 - Freezing
 - Growth Regulator
8. Response to the Duration of the day and night is called as _____
- Light response
 - Photoperiodism
 - Photons
 - Vernalization
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