

Time : 2-30 Hours]

Instructions:

- Question no 1 to 4 carry 14 marks each.
- Question no 5 carries 14 marks (each question of 2 marks). Out of the 12 questions, attempt any seven.

Question 1

(14)

What is the Total Quality Management and what are the key principle?

OR

What are the barriers or obstacle that Total Quality Management faces during the implementation periods?

Question 2

(14)

Write a note on negative effects of agricultural operations on Environment.

OR

Write a note on positive effects of agricultural operations on Environment.

Question 3

(14)

Write the major characteristics of agricultural supply chains.

OR

Write a note on key sustainable agriculture practices.

Question 4

(14)

Case Study based question

Leading Vegetable Plantation in Chhattisgarh Reaps Exceptional Returns with FarmERP

A prominent vegetable plantation enterprise based out of Chhattisgarh approached FarmERP a few years ago. It was facing numerous issues both on the operational and business management front. This was having an adverse impact on the productivity of its field operations as well as hampering profits substantially.

This agro-enterprise grows tomato, chilli, capsicum, and many more vegetable crops. Fruit crops such as dragon fruit, dates, pomegranate, etc are also cultivated. It has plantations situated in 5 states of India. This was making it difficult to have strong control over operations across all the locations. It's been 3 years since this company has

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integrated FarmERP's advanced system into its agribusiness. FarmERP has successfully strengthened the plantation management efforts of the agribusiness. With FarmERP's support, the plantation enterprise has managed to get rid of all the critical concerns that were previously affecting its growth.

Question

Write summery and challenges of given case study.

OR

Write summery and benefits of given case study. (what could be the best approach to use FarmERP).

Question 5 (Attempt any seven out of twelve.)

14 Marks

1. Which of the following is a major oilseed crop grown in the state of Gujarat?

A) Linseed	B) Groundnut
C) Sesame	D) Sunflower
2. Which term describes a system that uses minimal resources to produce high-quality goods with variety?

A) Craft production	B) Mass production
C) Lean production	D) Standardized production
3. In OM, which function is primarily responsible for assessing customer needs and promoting goods or services?

A) Finance	B) Operations
C) Marketing	D) Production
4. Which of the following is a unique characteristic of agricultural supply chains?

A) High durability of products	B) Limited shelf life and perishability
C) Uniformity of quality	D) Low involvement of smallholders

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5. Which of the following inventory management methods prioritizes using items with the nearest expiration date first?
- A) FIFO
B) LIFO
C) FEFO
D) Safety stock
6. Which of the following is a strategy for effective seasonal inventory management?
- A) Increasing employee numbers in peak seasons
B) Accurate forecasting using past data
C) Reducing communication with suppliers
D) Avoiding technology use in logistics
7. Which of the following is not Sustainable Agriculture Practices
- A) Organic farming
B) Conservation tillage
C) Cover cropping
D) Conventional farming
8. Following is not from 6C's of TQM
- A) Commitment
B) Culture
C) Cooperation
D) Competitiveness
9. Total Quality Management is based on which principle?
- A) Lean
B) Agile
C) Just in time principle
D) None of the above
10. Which season in India is associated with crops that require a cool climate during growth and a warm climate during germination and harvesting?
- A) Kharif
B) Rabi
C) Zaid
D) Zaid Kharif
11. 3 pillars of sustainable agriculture covering the economic, social, and _____ spheres.
12. The production planning process involves estimating product demand based on historical data and _____ trends.

..... End of Paper

