

School of Agriculture

Master of Science in Fruit Science
Semester End Examination - Jun 2024

Duration : 180 Minutes
Max Marks : 100

Sem II - A1PE205B - Nutrition of Fruit Crops

General Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

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| 1) | Recall the micronutrient essential for plant growth. | K1(2) |
| 2) | Explain role of nutrients for management of flower and fruit drop. | K2(4) |
| 3) | Summarise role of selenium and silicon in fruit productivity. | K2(6) |
| 4) | Choose methods for improving nutrient availability in soil. | K3(9) |
| 5) | How to identify nutrient deficiency in strawberry crop? | K3(9) |
| 6) | Do you agree that rootstock play an important role in fruit nutrition?
Justify with grapevine example. | K5(10) |
| 7) | Conclude your learning on nutrient management issues and strategies in fruit crops. | K4(12) |
| 8) | Justify the opinion on the most effective method for tissue/plant analysis in diagnosing nutrient deficiencies in fruit crops. | K5(15) |
| 9) | Justify modern nutrient diagnostic tools provide better insight of nutrients in fruit crop. | K5(15) |
| 10) | Elaborate a nutrient management strategy for a fruit orchard, considering fertilizer selection criteria and estimating potential yield increases. | K6(18) |