

M.Sc.(Ag.) Semester – III Examination, 2014

Horticulture

Course : HOR – 516

(Canopy Management in Fruit Crops)

Time: 3 Hours

Full Marks: 50

Questions are of value as indicated in the margin.

Answer **any five** questions.

1. Write down briefly the role of plant growth regulators in canopy management of fruit trees. How pruning affect the flowering and bearing of fruits? 7+3=10
 2. Define canopy management. Write down the basic principles of canopy management. 3+7=10
 3. What is pruning? State the different kinds of pruning in mango. What are the objectives of pruning? 3+2+5=10
 4. What is rejuvenation? Narrate different methods of rejuvenation commonly followed in mango. 3+7=10
 5. Discuss canopy management techniques followed in grapes with special reference to training and pruning; varieties and uses of growth regulators. 10
 6. Why light is considered as one of the important factors for successful fruit production? How interception of light can be improved through canopy management? 5+5=10
 7. What are the dwarfing rootstock of apple and mango? How does dwarfing rootstocks affect the yield and quality of fruits? 4+6=10
 8. Write short notes (**any two**): 5+5=10
 - (a) High density planting of mango
 - (b) Modern tools for canopy management in fruit crops
 - (c) Precautions during pruning and canopy management
 - (d) Canopy micro-climate
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