

**M.Sc. (Ag.) Examination, 2018**  
**Semester-II**  
**Horticulture**  
**Course No: HOR-513**  
**(Subtropical and Temperate Fruit Production)**

**Time: Three hours**

**Full Marks: 50**

*Questions are of the value as indicated in the margin*

*Answer **any five** of the following questions.*

1. State the production technology of pomegranate with special reference to soil and climate, training and pruning, varieties and propagation, flowering and fruiting and harvesting and yield. 10
2. Enumerate in brief about the important varieties, rootstocks, climatic requirements for successful cultivation of apple. 10
3. Write in brief about the production technology of grapes with reference to pruning, manuring, flowering, fruiting, harvesting and yield. 10
4. Write the cultivation techniques of litchi with reference to soil and climate, propagation, fruit growth, and development, fertilizer requirement, maturity indices and harvesting. 10
5. Write importance and uses of almond. Discuss shortly about the varieties, climatic requirement, flowering and fruiting, fertilizer requirement and yield of almond. 10
6. Describe package of practices for strawberry stating varieties, soil and climate, propagation, nutrient management, harvesting and yield. 10
7. Write down the cultivation techniques of bael with reference to soil, climate, varieties, propagation, flowering, manuring, irrigation and harvesting. 10
8. Write short notes on the following (**any five**): 2x5=10
  - a. Training and pruning of pear
  - b. Physiological disorder of apple
  - c. Bahar treatment of pomegranate
  - d. Flowering and fruiting of peach
  - e. Pollination and fruit set of Japanese plum
  - f. Fertilizer requirement of walnut
  - g. Flowering and bearing of carambola
  - h. Origin and distribution of loquat

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