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**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**  
**SEMESTER END EXAMINATION**

**B.Sc. (Hort.)**

Semester : V (New)	Term : I	Academic Year : 2016-17
Course No. : H /FS 354	Title : Temperate Fruits and Plantation Crops	
Credits : 3(2+1)	Time : 14.00 to 17.00	Total Marks : 80
Day & Date : Thursday, 17.11.2016		

- Note :**
1. Solve ANY EIGHT questions from SECTION "A".
  2. All questions from SECTION "B" are compulsory.
  3. All questions carry equal marks.
  4. Draw neat diagrams wherever necessary.

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**SECTION "A"**

- Q.1 Explain in brief importance and scope for cultivation of temperate fruits in India.
- Q.2 Describe the cultivation of apple on following points.
- 1) Soil and climate
  - 2) Propagation and planting
  - 3) Varieties
  - 4) Harvesting
- Q.3 Write about the cultivation of cashew nut on following points.
- 1) Soil and climate
  - 2) Propagation and planting
  - 3) Varieties
  - 4) Harvesting and yield
- Q.4 Write short notes (Any two).
- 1) Tapping and preservation of rubber
  - 2) Harvesting and curing of coffee
  - 3) Economic importance of plantation crops
- Q.5 Write about the propagation on following crops.
- 1) Pear
  - 2) Cocoa
  - 3) Strawberry
  - 4) Betelvine
- Q.6 Explain in brief the importance of root stocks in temperate fruits with suitable examples.
- Q.7 Write in brief about cultivation of kiwi and cherry.
- Q.8 Describe in short cultivation of areca nut and tea.
- Q.9 Write in brief about cultivation of coconut and oil palm
- Q.10 Write short notes (Any two).
- 1) Training and pruning in temperate fruits
  - 2) Use of plant growth regulators in temperate fruits
  - 3) Varieties of almond and walnut

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## SECTION "B"

Q.11 State True or False

- 1) Etherl is a ripening hormone.
- 2) M-9 root stock is used in coconut propagation.
- 3) Apple is also called false fruit.
- 4) Peach is also called stone fruit.
- 5) Persimmon and pecan nut are classified as plantation crops.
- 6) Chandler and Sweet Charlie are the varieties of strawberry.
- 7) Chilling temperature for flowering is compulsory for plantation crops.
- 8) Apple is also cultivated in some North Eastern states of India.

Q.12 Answer the following questions.

- 1) Cherry and pear varieties.
- 2) Temperate fruit crop propagated by tissue culture.
- 3) Ultra dwarf root stock used in apple propagation.
- 4) Central Institute of Temperate Horticulture is located at \_\_\_\_\_.
- 5) Central Plantation Crop Research Institute is located at \_\_\_\_\_.
- 6) Cashew varieties evolved at RFRS, Vengurla.
- 7) Varieties of peach suitable for subtropical climate.
- 8) Peach belongs to family.

