

**PARUL UNIVERSITY**  
**COLLEGE OF AGRICULTURE**  
**B.Sc.(Hons.) Agriculture Summer 2017 - 18 Examination**

**Semester: 1**  
**Subject Code: 20108102**  
**Subject Name: Fundamentals of Horticulture**

**Date: 04/06/2018**  
**Time: 2.00 pm to 4.30 pm**  
**Total Marks: 60**

**Instructions**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

**Q.1 Do as Directed.****A. Fill in the blanks.****(10)**

1. Horticulture is derived from two Latin word \_\_\_\_\_ and \_\_\_\_\_
2. Olericulture refers to cultivation of \_\_\_\_\_
3. \_\_\_\_\_ is a condition where the seed does not germinate even when the environmental conditions are permissive for growth.
4. Date palm is commercially propagation by \_\_\_\_\_
5. Indian Council of Medicinal Research (ICMR) recommended \_\_\_\_\_ g of fruits and \_\_\_\_\_ g of vegetables per head per day
6. India is the \_\_\_\_\_ largest producer of fruits after \_\_\_\_\_ country.
7. India occupies first position in \_\_\_\_\_, second in onion, third in cabbage in the world.
8. Onion is a \_\_\_\_\_ crop whereas potato is a \_\_\_\_\_ crop.
9. Based on climatic zone Apple is \_\_\_\_\_ crop and Mango is \_\_\_\_\_.
10. Garlic and lily are example of \_\_\_\_\_ crop.

**B. Multiple choice type questions.****(10)**

1. Mango is ----- crop
 

a) Temperate	c) tropical
b) a and b both	d) none of them
2. ----- is example of deciduous in nature
 

a) Apple	c) mango
b) Sapota	d) jamun
- 3 Guava is commercially propagated by
 

a) T budding	c) Herbaceous cutting
b) Softwood grafting	d) Air layering
- 4 Directorate of Medicinal and Aromatic plants Research is located at -----
 

a) New Delhi	c) Anand
b) Lucknow	d) Hyderabad
- 5 Mango is propagated by
 

a) Ring budding	c) Herbaceous cutting
b) Softwood grafting	d) Air layering
- 6 Which of the following is not a drupe (stone) fruit?
 

a) Cherry	c) Mango
b) Peach	d) Apple
- 7 Which of the following is a cucurbit crop?
 

a) Tomato	c) Cucumber
b)Chilli	d) Pea
- 8 Fig, Guava, Date palm are comes under which climatic zone?
 

a) Temperate	c) Subtropical
b) Tropical	d) none of the above
- 9 Propagation of plant by \_\_\_\_\_ is known as sexual propagation.
 

a) Shoot	c) Root
b) Leaf	d) Seed
- 10 commercial propagation method of date palm is
 

a) offshoots	c) suckers
b) seed	d) grafting

- Q.2. A. Define the following. (Any five)** (05)
1. Asexual propagation
  2. Micro-propagation
  3. Seed
  4. Germination
  5. Seed dormancy
  6. unfruitfulness
  7. Training
- B. Answer the following. (Any five)** (05)
1. Enlist at least 5 name of Subtropical fruit crops.
  2. Enlist types of asexual propagation.
  3. Enlist types of germination.
  4. Which are the methods to overcome the seed dormancy?
  5. Enlist name of any three fruit crops with common name and scientific name.
  6. Give full form of IIHR, IIVR.
  7. Give full form CITH, CISH.
- Q.3 Write short notes. (Any five)** (15)
1. Types of Training systems
  2. Types of Pruning
  3. Enlist name of any 10 flower crops.
  4. Write down the scientific name of Mango and Guava with scientific name and family
  5. Write down the scientific name of Tomato and Brinjal with scientific name and family
  6. Give any two reference book name of horticulture with author name.
- Q.4 Attempt any Three/Long Questions** (15)
1. Types of Orchard layout
  2. Importance of Horticulture
  3. Advantages of asexual propagation.
  4. Branches of Horticulture