

Hemchandracharya North Gujarat University  
Community College  
Advance Diploma in Agriculture and Soil Science  
Semester- IV  
Internal Examination, March-2018  
Subject Code: - AS- 402  
Subject: - Applied Horticulture

Time: 2 hrs

Date: 28/03/2018

Marks: 40

**Q.1 Answer any 10 MCQ questions. Each question carries 1 mark.**

**[10\*1=10]**

1. Which season is commonly ideal for vegetative propagation?  
[A] Winter [B] Summer  
[C] Rainy [D] All season
2. \_\_\_\_\_ may be broadly defined as the science and art of growing fruits, vegetables and flowers and crop like spices condiments and other plantation crops.  
[A] Agriculture [B] Tissue culture  
[C] Horticulture [D] Soil science
3. Which plant part is not used in a cutting method?  
[A] Stem [B] Root  
[C] Seed [D] Leaf
4. \_\_\_\_\_ is derived from grey or white volcanic rock consisting of spongy like gaps.  
[A] Sand [B] Soil  
[C] Pumice [D] Vermiculite
5. Horticulture word derived from which language ?  
[A] English [B] French  
[C] Latin [D] Greek
6. \_\_\_\_\_ is cultivation of Fruit crops.  
[A] Pomology [B] Olericulture  
[C] Floriculture [D] None of these
7. Which component is not use as a growing media?  
[A] Sand [B] Soil  
[C] Compost [D] Vermiculite
8. Which plant part is used in sexual propagation method?  
[A] Stem [B] Root  
[C] Seed [D] Leaf
9. Which propagation technique provides progenies are true to type like mother plant?  
[A] Sexual [B] Asexual  
[C] Tissue culture [D] B and C both
10. \_\_\_\_\_ propagation refers to the multiplication or perpetuation of any plant from any vegetative parts as plant other then the seed  
[A] Vegetative Propagation [B] Sexual Propagation  
[C] Asexual Propagation [D] A and C both

[P. T. O.]

**Q.2 Answer any 4 questions. Each question carries 05 marks.**

**[4\*5=20]**

1. Write down the advantages and disadvantages of Sexula propagation.
2. Write down the benefits of raising nursery.
3. Write down soil treatment for nursery in detail.
4. Enlist and explain in detail about importance of horticulture.
5. Write down the criteria for ideal media selection for nursery.

**Q.3 Answer any one. Each question carries 10 marks.**

**[1\*10=10]**

1. Define cutting, enlist types of cutting methods and explain types of stem in detail cutting.
2. Define budding, enlist method of budding & explain any two methods of budding in detail with figure.

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