

**Hemchandracharya North Gujarat University**  
**Community College**  
**Advance Diploma in Agriculture and Soil Science**  
**Semester- IV**  
**Internal Examination, March-2017**  
**Subject Code: - AS- 402**  
**Subject: - Applied Horticulture**

Time: 2 hrs

Date: 22/03/2017

Marks: 40

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

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

1. Which plant part is used in sexual propagation method?  
[A] Stem [B] Root  
[C] Seed [D] Leaf
2. Which plant part is not used in a cutting method?  
[A] Stem [B] Root  
[C] Seed [D] Leaf
3. \_\_\_\_\_ 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
4. \_\_\_\_\_ is cultivation of vegetable crops.  
[A] Pomology [B] Olericulture  
[C] Floriculture [D] None of these
5. Which component is not use as a growing media?  
[A] Sand [B] Soil  
[C] Compost [D] Vermiculite
6. \_\_\_\_\_ is derived from grey or white volcanic rock consisting of spongy like gaps.  
[A] Sand [B] Soil  
[C] Pumice [D] Vermiculite
7. Which fertilizer is water soluble?  
[A] Urea [B] DAP  
[C] A and B both [D] None of these
8. \_\_\_\_\_ 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
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. Which season is commonly ideal for vegetative propagation?  
[A] Winter [B] Summer  
[C] Rainy [D] All season

[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 vegetative propagation
2. Define cutting methods and describe any two.
3. Different between layering and cutting.
4. Define horticulture and write down the importance of horticulture.
5. Enlist the different media and container and describe any three media.

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

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

1. Define budding, enlist budding methods and write down the full procedure of shield budding by "T" method.
2. Define micro propagation and write down advantages and disadvantages of micro propagation.

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