

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

Time: 2 hrs

Date: 25/04/2018

Marks: 40

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

[10*1=10]

1. _____ reproduction refers to multiplication of plants by seed.
[A] Sexual propagation [B] Asexual propagation
[C] Cutting method [D] None of these
2. Which propagation techniques plant is true to type?
[A] Sexual propagation [B] Asexual propagation
[C] Micro propagation [D] All of these
3. Succulent plants are propagated by which method?
[A] Leaf cutting [B] Root cutting
[C] Stem cutting [D] None of these
4. IBA is belongs to which growth hormones group?
[A] Auxins [B] Gibberellins
[C] Cytokinins [D] Ethylene
5. Which growth hormones is used for fruit setting?
[A] Auxins [B] Gibberellins
[C] Cytokinins [D] Ethylene

6. Define or Explain:

1. Propagation
2. Scion
3. Stock
4. Grafting
5. Layering

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

[4*5=20]

1. Enlist the role of gibberellins and describe practical uses of gibberellins.
2. Write down the benefits of raising nursery.
3. Write down the advantages and disadvantages of asexual propagation.
4. Write down the essential operation in nursery raising.
5. Enlist the role of auxins and describe uses of auxins in detail.

[P. T. O.]

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

[1*10=10]

1. Define layering, enlist layering methods and describe simple, serpentine, mound and air layering with figure.
2. Write down the parts of nursery and seed and soil treatment in detail.

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