

COMPETENCIES
PLANT PROPAGATION – AM CLASS
(lat109v08.cpt)

1. Discuss how rooting hormones help initiate rootings of stem cuttings
_____/3
2. Identify containers by container type and size.
_____/5
3. Discuss different types of propagation media ingredients and how they affect soil mix characteristics.
_____/5
4. Demonstrate how to take and stick conifer cuttings. (Stick 10 cuttings)
_____/10
5. Take a ph and EC reading on a soilless media.
_____/10
6. Demonstrate how to take and stick hardwood cuttings. (Stick 10cuttings)
_____/10
7. Demonstrate how to take softwood or herbaceous cuttings. (Stick 10 cuttings)
_____/10
8. Demonstrate how to do only 1 of the following:
 - Simple layering
 - Air layering_____/10
9. Demonstrate how to do only 1 of the following:
 - Cleft grafting
 - Wedge grafting
 - Side grafting
 - Whip grafting_____/10
10. Demonstrate how to do only one of the following:
 - T-budding
 - Chip budding_____/10
11. Describe the process of seed development from pollination through germination.
_____/5

12.Explain what causes dormancy in seeds and what artificial means can be employed to break dormancy.

____/6

13.Explain how environmental conditions affect seed germination.

____/6

14. Identify and discuss how to propagate the following. (Use the bucket o'modified plant parts)

- a. Bulbs – scaly & tunicate
- b. Corms
- c. Tubers
- d. Tuberous roots
- e. Rhizomes

____/10

TOTAL POINTS _____

You will need 102 out of a maximum of 110 points to score 100% in the competency component of your grade.