

Horticulture Final Exam

1) Which of the following is the best definition of Horticulture?

- A) The science of growing fruits, vegetables, and flowers.
- B) The science of soil management and crop production.
- C) All the visible features of an area of countryside or land, often considered in terms of their aesthetic appeal.
- D) Gathering and classifying plants.

2) Name an Entry Level job in Horticulture?

3) Name a Career for a Post Secondary Graduate?

4) Name 2 soil orders: (hint, there are 12 of them, and)

a) _____

b) _____

5) What is Wisconsin's official State Soil?

6) This component of soil is small, stays in suspension more than 1 day, and is too small to see individual pieces with the naked eye:

7) Name 2 soilless media we used in the greenhouse this spring:

8) When we took cuttings of geraniums to propagate the plants, what did we need to be present on our cutting to be successful?

- A) A LEAF
- B) A NODE
- C) A LEAF AND 2 NODES
- D) A FIBROUS ROOT STRUCTURE

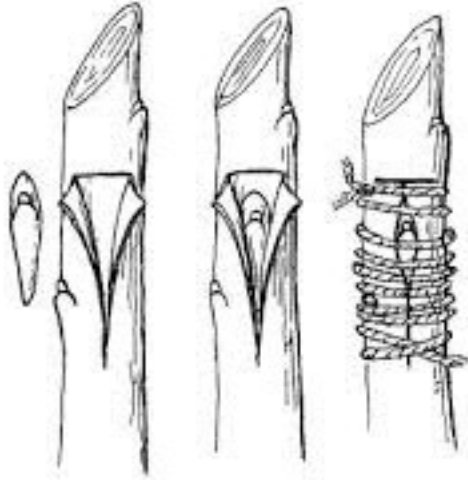
9) When budding a tree, to prevent desiccation we place the bud on which side of the tree?

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- 10) What is it called when we join together two plants to make one in a form of asexual reproduction?
A) Graphing B) Grafting C) Cuttings D) Asymmetrical Propagation
- 11) In horticultural terms, what does the scion refer to?
- 12) T or F It is okay to use a rootstock that is susceptible to many diseases if the scion is desirable for its fruit.
- 13) T or F It is okay for the scion to be larger than the rootstock as long as you trim down the sides of the scion to make it smooth with the rootstock, making a gradual angle up the stem.
- 14) The point of contact when grafting plants is called _____.
- 15) Renewal Pruning is best explained by:
A) A type of pruning to create artistic shapes.
B) Pruning a third of the plant each year, cutting nearly to ground level.
C) Taking overlapping branches or lollipop branches off.
- 16) What is the difference between Anvil Loppers and By-Pass Loppers?
- 17) What is a terminal bud?
- 18) When the terminal bud is removed, what happens?
a) The plant starts to flower.
b) Lateral Bud takes over for the terminal bud, becoming a pseudo terminal bud.
c) The plant stops growing.
d) The Lenticels turn into buds.
- 19) What parts make up the stamen? A) Anther and ovary B) Ovary, style and stigma
C) Anther and Filament D) Style, Anther and Stigma
- 20) The preferred branches for grafting are:
A) Laterals
B) Scaffolds
C) Water Sprouts
D) Suckers
- 21) What is soil-less gardening in which mineral nutrients normally supplied by the soil are mixed into a liquid solution used to water the plant roots?

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22)



What type of procedure is shown to the left? Explain what is shown in the diagram and explain every step, how it is accomplished, what to be careful to do and not to do. Can you see anything that is different from our power point we had in class? If yes, what is that difference? (4 pts)

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23) What will the steps be to complete this graft? We have already built a healing chamber.
(4 pts)



Extra Credit Looking at the Greenhouse, what went well? What would you do differently?
What could we have done to create more sales? (up to 5 points)