

Tarleton State University Invitational

Nursery/Landscape – Problem Solving Practicum

\*\*\*DO NOT WRITE ON THE PRACTICUM! ONLY ON SCRATCH PAPER!!!\*\*\*

- Using a  $1/8''$  scale ( $1/8''=1\text{ft}$ ) and rounding to the nearest foot, what is the area of the turf in Area A?
  - 464 ft squared
  - 800 ft squared
  - 858 ft squared
  - 956 ft squared
- The client may want to install artificial turf in an area of the landscape in a circle with a diameter of 16' for a putting green. How many square yards of artificial turf would be needed for this area? (Be sure to round up to the nearest sq yard)
  - 18
  - 23
  - 26
  - 28
- If the client wants to sod the turf areas with Palisades Zoysia that costs \$4.95 per square yard, what would be the cost of turf if they calculate that they need 2,000 square feet.
  - \$1,103.85
  - \$3,568.95
  - \$6,005.25
  - \$9,900.00
- Bed 1 in the landscape needs 6" of compost added in order to properly prepare it for planting. Using the  $3/32'' = 1'$  scale, how many yards of compost will needed? Round up your answer to the cubic yard.
  - 1
  - 3
  - 6
  - 9
- Using the  $3/32''=1\text{ ft}$  scale, what volume of mulch will be needed to mulch Bed 2 to a depth of 4 inches? Round your answer up to the cubic yard.
  - 8 cu yds
  - 6 cu yds
  - 4 cu yds
  - 2 cu yds
- The client would like to use annual color in Bed 3 which is located between the garage and the house. Which of the following would be most suitable as annual color given the limited light in that area?
  - Plumbago auriculata*
  - Impatiens wallerana*
  - Lonicera japonica*
  - Petunia x hybrid*
- The client would like to add a \_\_\_\_\_ bush to the landscape design because the flower color can be altered with changes to the pH.
  - Sophora secundiflora*
  - Pyracantha coccinea*
  - Hydrangea macrophylla*
  - Loropetalum chinense*

8. If there are 397 sq ft of beds to be amended with 4 inches of compost, how many cubic yards of compost will need to be ordered? Round up to the nearest yard.
- 3
  - 4
  - 5
  - 6
9. In the above problem, how much would the compost cost if it is \$8 per cubic yard?
- \$32
  - \$40
  - \$48
  - None of the above
10. Which of the following plants is most capable of causing damage to the structure if allowed to contact it?
- Pampas grass
  - Carpet Bugleweed
  - Hosta
  - English Ivy
11. If the client decides to seed the back yard that has an area that measures 27'x45' with bermudagrass at a rate of 7 pounds per 1000 sq ft, how many pounds of seed will the client need?
- 8.5
  - 6.7
  - 4.6
  - None of the above
12. The client wants to replace the shrubs in the front of the residence labeled 6 with Red tip Photinias. What is a potential issue with this?
- They will stay too small
  - They will get way too big
  - They cannot handle full sun
  - There is no issue with this plant substitution.
13. The client is going to purchase 6 foot fence panels for the privacy fence separating the entire front from the back yard. How many panels will need to be purchased? Use the  $1/8'' = 1$  ft scale.
- 7 panels
  - 15 panels
  - 22 panels
  - 28 panels
14. The front of the house faces what direction?
- North
  - West
  - East
  - South
15. If the client wanted to add a large deciduous tree in Area A, which of the following would most appropriate?
- Carya illinoensis*
  - Eriobotrya japonica*
  - Gelsemium sempervirens*
  - Quercus virginiana*