

National FFA Nursery/Landscape Career Development Event

Landscape Estimating 2015

This is a section of a Master Landscape Design for a residence in Indianapolis, Indiana.

Mark all answers carefully and properly on the separate answer sheet.

1. Using your scale, what is the outer diameter of the Fire Pit?
 - A. 8'
 - B. 2'
 - C. 4'
 - D. None of the above

2. What is the size in square feet of the area (inside paver accent border) to be paved?
 - A. 299.50 square feet
 - B. 310.25 square feet
 - C. 289.50 square feet
 - D. 349.50 square feet

3. What is the outside linear feet measurement for the Paver Accent Border?
 - A. 44.25 linear feet
 - B. 88.50 linear feet
 - C. 120 linear feet
 - D. 63.85 linear feet

4. There are shown 3 shrubs surrounding the A/C Unit. What would be an appropriate evergreen plant selection for screening year round?
 - A. Forsythia x intermedia cv.
 - B. Cercis canadensis
 - C. Picea pungens cv.
 - D. Juniperus chinensis cv.

5. What are the dimensions of the raised planting bed surrounded by the seat wall?
 - A. 17' x 3.5'
 - B. 15.5' x 2.25'
 - C. 15.75' x 3.5'
 - D. None of the above

6. The client would like to have perennials planted in the raised planting bed. Which plant combination below would be the most appropriate?
 - A. Gaillardia aristata cv. and Hemerocallis spp.
 - B. Impatiens hybrid and Petunia x. hybrida
 - C. Dracaena deremensis 'Warneckii' and Epipremnum spp.
 - D. None of the above

7. What is the square footage of the existing raised deck?
- A. 250 square feet
 - B. 125 square feet
 - C. 214 square feet
 - D. 188 square feet
8. Assuming the steps are 6"/H, how high is the raised deck from the paver patio?
- A. 12"
 - B. 6"
 - C. 8"
 - D. 9"
9. There are 6 shrubs shown in the planting bed between the trees. These are shown as flowering shrubs. How far apart will they be planted if done as the plan shows?
- A. 4.5' on center
 - B. 3' on center
 - C. 2.5' on center
 - D. 2' on center
10. These 6 shrubs shown between the trees will cost \$7.50 each and you plan to use a 1.7 markup. How much will you charge your client for the purchase of these shrubs?
- A. \$45.00
 - B. \$76.50
 - C. \$85.00
 - D. \$65.00
11. The tree shown at the end of the planting bed and patio is listed as a canopy tree. Which of the following trees would fit this description?
- A. *Acer platanoides* cv.
 - B. *Nyssa sylvatica*
 - C. *Quercus rubra*
 - D. All of the above
12. The root ball for the canopy tree will be 36" in diameter and 30" deep. Extra excavation is required for proper drainage. You estimate it will take 3 men 2.5 hours each for planting the tree. You are planning to charge the client \$35.00 per hour. How much will you charge for the labor to plant the tree?
- A. \$87.50
 - B. \$105.00
 - C. \$262.50
 - D. None of the above

13. The canopy tree will cost you \$135.00 + 10% shipping to get it delivered to you. You will use the same markup as with the shrubs, 1.7. How much will you charge for the purchase of the tree?
- A. \$252.45
 - B. \$246.50
 - C. \$238.95
 - D. \$229.50
14. Shown under the canopy tree and along the paved patio is an area for groundcover. Approximately how many square feet should you plan for groundcover?
- A. 115 square feet
 - B. 75 square feet
 - C. 55 square feet
 - D. 23 square feet
15. Of the following plants, which would be the most appropriate to use as groundcover?
- A. *Crataegus phaenopyrum*
 - B. *Dieffenbachia maculata* cv.
 - C. *Forsythia x intermedia* cv
 - D. *Vinca minor* cv.
16. The planting area shown around the paved area will need mulch. Assuming the entire area will have mulch 3" deep, how many cubic feet will you need?
- A. 135 cubic feet
 - B. 101.25 cubic feet
 - C. 137.50 cubic feet
 - D. None of the above
17. You estimate it will take 2 guys 4 hours each to spread the mulch. At \$35.00 per hour, what will be your price for the labor portion of the mulch?
- A. \$70.00
 - B. \$140.00
 - C. \$200.00
 - D. None of the above
18. The tree shown in the corner of the planting bed is listed as an evergreen tree to provide screening. Which of the following plants best fits that description?
- A. *Nandina domestica*
 - B. *Taxus* spp.
 - C. *Abelia x grandiflora*
 - D. *Picea abies*

19. There are 5 plants shown on the side of the planting bed just outside the raised planting bed with seat wall. These are shown as *Thuja occidentalis* cv. and will cost \$22.00 each including shipping costs. You estimate 2 guys will be able to plant 1 shrub in half an hour each. Using your 1.7 plant markup and \$35.00 per hour labor rate, how much will you charge for this area?
- A. \$274.50
 - B. \$285.00
 - C. \$385.00
 - D. \$362.00
20. There are 8 shrubs shown under the existing shade tree in the corner near the raised deck. The client would like a spring blooming shrub with berries in the fall. Which of the following plants would be appropriate?
- A. *Antirrhinum majus* cv.
 - B. *Solenostemon scutellarioides*
 - C. *Pyracantha coccinea* cv.
 - D. *Poa pratensis* cv.