



Nursery/Landscape Career Development Event

Created: Feb-20

LANDSCAPE ESTIMATING — 2019

Please mark all answers carefully and properly on the separate answer sheet.

This is a partial landscape plan for a renovated entrance planting for a local business in downtown Indianapolis, IN. The East Elevation rendering is for illustration purposes only. All questions are based on the plan.

1. How wide is the sidewalk going to the main entrance from the street?
 - A. 10' wide
 - B. 11.5' wide
 - C. 12' wide
 - D. None of the above

2. There are 2 large shade trees shown at opposite ends of the landscape. Which of the following plants would be suitable for this application?
 - A. Abies concolor
 - B. Magnolia grandiflora cv.
 - C. Acer rubrum
 - D. Cotoneaster dammeri

3. There are 12 prefab concrete pads shown under the table and chairs. Your cost for the pads is \$3.50 each, you plan a 1.5 markup and estimate 3 hours of labor to install. Your marked up labor charge is \$45.00 per hour. How much will you charge for the concrete pads and installation?
 - A. \$198.00
 - B. \$87.00
 - C. \$177.00
 - D. \$265.50

4. There is a pathway of prefab concrete pads to the bench and under it. These will cost \$2.50 each and you will use the same 1.5 markup. How much will you charge for the concrete pads for the path and under the bench?
 - A. \$270.00
 - B. \$63.75
 - C. \$67.50
 - D. \$45.00
5. There are 4 areas with shrubs marked as A. These are indicated as evergreen shrubs. Which of the following plants match this description?
 - A. Dracaena deremensis 'Warneckii'
 - B. Vinca minor
 - C. Taxodium distichum
 - D. Buxus microphylla cv.
6. The shrubs marked as A will cost you \$6.75 each and take 15 minutes each to plant. Using the same plant mark up of 1.5 and a labor costs \$22.50 per hour which you plan to mark up to \$45.00, how much will you charge for the purchase and planting of these shrubs?
 - A. \$325.75
 - B. \$320.63
 - C. \$168.75
 - D. \$270.00
7. What are the dimensions of the air vent?
 - A. 10' x 6'
 - B. 7' x 10'
 - C. 4' x 6'
 - D. 4.5' x 8'

8. There are 2 areas marked for annual plantings. This area will need to be excavated to 12" deep and peat mix added to the area. Peat mix costs \$4.00 per 3 cubic foot bag. You estimate it will take 2 men 4 hours each to excavate and till in the peat mix and plan to charge \$45.00 per hour for their time. If you mark up the peat mix 1.3 times your cost, what will you charge for these amendments and labor?
- A. \$630.40
 - B. \$568.00
 - C. \$450.40
 - D. None of the above.
9. The annual plantings will require a 3" cypress mulch layer to prevent weeds and excessive drying. You will sell the cypress mulch for \$4.55 per 2 cubic foot bag and you estimate it will take 10 minutes per bag for spreading, your labor rate is \$45.00 hour. How much will you be charging for the mulch and labor for the annual planting areas?
- A. \$88.73
 - B. \$354.90
 - C. \$234.98
 - D. 323.70
10. There are 2 square containers shown next to the sidewalk going to the front steps of the building. The client would like to have seasonal plantings in these containers 4 times per year – pansies in the spring, annuals in the summer, mums in the fall and low growing evergreen shrubs in the winter. Pansies and annuals will cost \$8.00 per flat, one flat per season for both containers. The mums will cost \$8.00 each and you plan to use 1 plant in each container. The evergreens will cost \$4.00 each and you are planning to use 4 in each container. What will you plant costs be for the year for these 2 containers?
- A. \$48.00
 - B. \$32.00
 - C. \$64.00
 - D. None of the above

11. There are 5 areas marked as B. These are specified as perennial grasses. Which of the following plants would work for these plantings?
- A. *Solenostemon scutellarioides*
 - B. *Pennisetum ruppelia*
 - C. *Parthenocissus tricuspidata*
 - D. *Euonymus alatus*
12. The grasses marked as B are specified as 1 gallon and will cost you \$4.55 each. You estimate each one will take 10 minutes to plant including the bed prep. Using a 1.5 markup on your plant costs and \$45.00 per hour for your labor, how much will you plan to charge for the purchase and planting of these grasses?
- A. \$181.50
 - B. \$361.50
 - C. \$458.40
 - D. \$249.75
13. There are 2 evergreen trees marked as C on the plan. For planting you will need to excavate a hole approximately 3 feet deep and 3 feet in diameter for each tree. You estimate this will take 2 men 2 hours each per hole. If you are charging \$45.00 per hour, how long will it take to dig these holes?
- A. 8 hours
 - B. \$360.00
 - C. 4 hours
 - D. \$180.00
14. What is the diameter shown of these evergreen trees on the plan?
- A. 3 feet
 - B. 5 feet
 - C. 6 feet
 - D. 4 feet

15. There are small grasses shown in the elevated bed marked as D on the plan. These same grasses will be used around the Air Vent and are also marked as D. Which of the following plants would work for this planting?
- A. Abelia x grandiflora cv.
 - B. Liriope spp. Cv.
 - C. Impatiens hybrid cv.
 - D. Potentilla fruticose cv.
16. These grasses will cost \$3.00 each and take 6 minutes each to plant. You loaded labor cost is \$15.00 per hour. What will your costs be for purchase and labor for these 2 areas marked as D?
- A. \$166.50
 - B. \$222.00
 - C. \$410.70
 - D. \$333.00
17. What is the approximate square footage of the two areas marked as D?
- A. 31 square feet
 - B. 48 square feet
 - C. 60 square feet
 - D. 74 square feet
18. There is decorative fencing shown in 3 areas. This will cost \$35.00 per linear foot which you plan to mark up 1.5. Another company will be installing the fence and will be charging you \$42.00 per linear foot, which you will mark up 1.2. How much will you charge for the fence and installation?
- A. \$6615.00
 - B. \$3528.00
 - C. \$7203.00
 - D. \$5390.00

19. There are taller shrubs shown as backdrop, marked as E around the area with the table and chairs. These will cost \$11.50 each and you will mark them up 1.7. Each one will take 30 minutes to plant and you will charge \$45.00 per hour. What will your price be for the purchase of the shrubs marked as E.
- A. \$462.55
 - B. \$189.75
 - C. \$437.25
 - D. \$215.05
20. Which of the following plants would work well as backdrop and screen for the table and chairs?
- A. *Tsuga canadensis*
 - B. *Taxus* spp. and cv.
 - C. *Taxodium distichum*
 - D. None of the above