

2013 Nursery/Landscape CDE
Landscape Estimating

This is a partial site plan for the landscape area outside a residential home. The client would like you to price the landscape installation shown for the rear of the home.

Scale for the plan is $1/4" = 1$ foot.

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

1. Based on the $1/4"$ scale provided, how wide is the cap surrounding all the rectangular built planting beds?
 - A. 6"
 - B. 10"
 - C. 12"
 - D. 18"

2. How many square feet is shown as an annual/tropical garden?
 - A. 56 square feet
 - B. 45.5 square feet
 - C. 52 square feet
 - D. 70 square feet

3. What is the width of the steps shown in the plan?
 - A. 3 feet
 - B. 3.5 feet
 - C. 4 feet
 - D. 4.5 feet

4. The soil in the bed shown for assorted sedum will need to be excavated to a depth of 18" and replaced with well drained media. You estimate it will take 1 hour, billed at \$25.00 per hour. This media is sold for \$12.00 per 2 cubic feet. How much will you charge for the excavation and replacement media?
 - A. \$81.00
 - B. \$106.00
 - C. \$162.00
 - D. \$187.00

5. Your price for assorted sedum is \$7.00 each. You should be able to plant them in $1/2$ and hour and charge \$25.00 per hour. How much will you charge for the sedum and installation shown in this plan?
 - A. \$14.00
 - B. \$45.00
 - C. \$49.50
 - D. \$61.50

6. Liriope spp. is shown as the ground cover for the L shaped bed. Your retail price for Liriope is \$3.50 per 1 gallon container. How much will you charge for Liriope in your bid?

- A. \$105.00
- B. \$56.00
- C. \$100.80
- D. \$112.00

7. The L shaped planter bed is to have hardwood mulch as topdressing. You estimate hardwood mulch to cost \$27.00 per cubic yard and you wish to have a 3 inch depth when finished. How much will you charge for the hardwood mulch for this area?

- A. \$27.00
- B. \$42.00
- C. \$56.00
- D. \$81.00

8. The plan calls for 2 matching, small deciduous trees to be planted at each end in the L shaped bed. Which plant would be the most appropriate for this situation?

- A. Cornus florida
- B. Brassaia actinophylla
- C. Abies concolor
- D. Tilia cordata

9. A small evergreen is planned for the corner of the L shaped bed. Which of the following plants would you suggest for this planting?

- A. Pinus mugo
- B. Pinus strobus
- C. Picea pungens
- D. Cercis canadensis

10. The client is requesting a path of decorative stone 4" deep through the annual/tropical garden planting bed, as shown. You sell decorative stone for \$10.00 per cubic foot and estimate it will take 15 minutes per cubic foot to install and you charge \$25.00 per hour. What is your price for installation of this path?

- A. \$140.00
- B. \$88.00
- C. \$35.00
- D. \$75.00

11. There are 2 pieces of bluestone shown in the drawing. Bluestone sells for \$10.00 per square foot. How much will you charge for the 2 pieces as shown?

- A. \$170.00
- B. \$160.00
- C. \$80.00
- D. None of the above

13. Which of the following plants would be appropriate as a ground cover planting?
- A. Buxus microphylla
 - B. Cotoneaster dammeri
 - C. Euonymus fortunei
 - D. Cynodon dactylon
14. How many square feet will be planted with ground cover?
- A. 89 square feet
 - B. 96 square feet
 - C. 178 square feet
 - D. 180 square feet
15. There are five 3 gallon Hydrangea quercifolia shown in the plan. You plan to sell these for \$22.00 each and estimate it will take 30 minutes per plant to install. Using \$25.00 per hour as your labor rate, how much will you charge for this part of the install?
- A. \$110.00
 - B. \$135.50
 - C. \$172.50
 - D. \$160.00
16. The tree shown at the corner of the house needs to be a small, spring blooming deciduous tree. Of the following plants, which would be the most appropriate?
- A. Cornus florida
 - B. Cercis Canadensis
 - C. Malus spp.
 - D. All of the above
17. How many 1 gallon perennials are shown on the plan?
- A. 12
 - B. 24
 - C. 30
 - D. None of the above
18. Specifications for the bid require the tree planted at the corner of the house to have tree wrap applied from the soil ball to the first limbs, to be staked and guyed, and have a mulch ring of hardwood bark applied over the backfill. Your estimates for the materials and labor for this work are as follows:
- * Tree wrap material - \$1.30 per tree
 - * Tree wrap labor – 5 minutes per tree at \$25.00 per hour
 - * Guying materials - \$2.50 per tree

- * Guying labor – 15 minutes per tree at \$25.00 per hour
- * Mulching materials – 3 cubic feet per tree at \$27.00 per cubic yard
- * Mulching labor – 10 minutes per tree at \$25.00 per hour

What is your total estimate for wrapping, guying and mulching this tree?

- A. \$19.30
 - B. \$12.50
 - C. \$18.80
 - D. \$31.80
19. The spa is to be filled with water to a depth of 2'3". How much water will the spa hold when filled? (Hint: 1 gallon =0.134 cubic feet.)
- A. 144 gallons
 - B. 1044 gallons
 - C. 1075 gallons
 - D. None of the above
20. You plan to include a replacement guarantee on the plant material as part of your bid price. The total plant cost is \$595.00 and you mark the plants up 1.75 and include a 10% of the retail number for your guarantee. How much is your total plant price?
- A. \$1145.38
 - B. \$1041.25
 - C. \$654.50
 - D. \$847.00