



Nursery/Landscape Career Development Event

LANDSCAPE ESTIMATING - 2023

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

This is a landscape plan for a new business construction in downtown Indianapolis, IN. All questions are based on the plan.

1. What is the square foot measurement of the planting bed shown on the plan as Building Front Bed?
 - A. 450 sq. ft.
 - B. 97 sq. ft.
 - C. 437 sq. ft.
 - D. 400 sq. ft.
2. There is gravel strip shown on the plan labeled 'Strip Under West Balcony'. You plan to install gravel 6" deep. How many cubic feet will be needed?
 - A. 102 cu. ft.
 - B. 80 cu. ft.
 - C. 204 cu. ft.
 - D. None of the above
3. The client would like to install deciduous trees, shown as A, in the planting beds at the main entrance. Which of the following would be the best alternative?
 - A. Leucanthemum x superbum cv.
 - B. Lagerstroemia indica cv.
 - C. Cornus florida cv.
 - D. Wisteria sinensis cv.

4. The tree selected for A is specified as a 2" caliper and will have a 24" root ball. You plan to excavate a planting opening to diameter shown on plan and 3' deep. How much soil in cubic feet will be removed for these trees?
- A. 235 cu. ft.
 - B. 118 cu. ft.
 - C. 157 cu. ft.
 - D. 39 cu. ft.
5. Each tree shown as A will cost you \$188.00 plus 10% shipping. You plan to use a 1.5 markup of your tree costs. How much will you be charging for the retail price of these trees?
- A. \$413.60
 - B. \$620.40
 - C. \$564.00
 - D. \$1080.35
6. You estimate it will take 2 guys 3 hours to excavate each tree pit and plant the new tree. You will charge \$52.00 per hour for labor. How much will you charge for the installation of these trees?
- A. \$524.00
 - B. \$600.00
 - C. \$324.00
 - D. \$624.00
7. There are containers shown at the Main Entrance. You need to price the soil media needed for these. You will use bagged planting mix costing \$7.00 per 2 cubic foot bag and will use a 1.2 markup. Using the outside dimensions and the same measurement for depth, how much will you charge for the soil media for these containers?
- A. \$340.20
 - B. \$567.00
 - C. \$680.40
 - D. \$266.80

8. Plants labeled as B will be purchased as 3-gallon pots. They will cost \$24.75. You will mark them up 50%. What will be your retail price for all the plants marked as B?
- A. \$198.00
 - B. \$185.65
 - C. \$213.45
 - D. \$297.009
9. The plants labeled as C will cost you \$20.25 each for 9 or less or \$18.65 each for 10 or more. You plan to mark your plant cost up 40%. You estimate it will take your installers 15 minutes per plant to transport, place and plant each plant. Your labor rate is \$52.00 per hour. How much will you charge for purchase and installation of the plants labeled as C?
- A. \$620.25
 - B. \$474.75
 - C. \$586.65
 - D. \$456.10
10. The plants shown as E are specified as Astilbe and are available in 1 gal. containers. They will cost \$8.00 each plus a 10% shipping fee. You will use a 1.7 mark up of total plant cost for the purchase price. Labor to plant all items labeled as E will cost \$35.46 and your labor markup is 2.2. How much will you charge for the purchase of the plants marked as E?
- A. \$433.80
 - B. \$194.50
 - C. \$272.50
 - D. \$511.80