National FFA Nursery/Landscape Career Development Event

Landscape Estimating 2016

This is a partial floor plan for an addition to an existing hotel in Indianapolis, Indiana. There will be questions regarding the interior plantings as well as the surrounding exterior beds.

questio	115 10	egarding the interior plantings as wen as the surrounding exterior beds.	
Mark a	11 an	swers carefully and properly on the separate answer sheet.	
1. space?	Usi	ing your scale, what is the dimension of the double door opening leading into the interior	
	A.	3.5'	
	B.	7'	
	C.	6'	
	D.	None of the above.	
2. around		w many trees, indicated with the circle and labeled as A, are shown in the exterior planting bed building perimeter?	
	A.	15 trees	
	B.	13 trees	
	C.	6 trees	
	D.	9 trees	
3. would		e exterior trees, labeled as A, are to be a pyramidal evergreen. Which tree of the following list ne best choice?	
	A.	Juniperus horizontals	
	B.	Cercis canadensis	
	C.	Yucca filamentosa	
	D.	Thuja occidentalis	
4.	How far apart are the exterior trees labeled as A, on the east side of the building, to be planted?		
	A.	7'	
	B.	10'	
	C.	12'	
	D.	13'	

5. Which		e interior plantings are to include trees, labeled as B and specified to be 12/H out of ground. he following plants will work for this application?	
	A.	Syringa vulgaris	
	B.	Ficus benjamina	
	C.	Fagus sylvatica	
	D.	Cercis canadensis	
6.	How wide is the interior planting bed?		
	A.	6'	
	B.	5'	
	C.	4'	
	D.	None of the above.	
7. specified planting	ed by	e interior planting bed will need to be excavated to a depth of 3 feet and re-filled with soil as 7 the architect. How many bags of soil containing 2 cubic feet will be needed to fill the ds?	
	A.	1584 bags	
	B.	1593 bags	
	C.	797 bags	
	D.	997 bags	
8. planted	?		
	D.	12'	

9. How much per tree will shipping costs be for an interior tree 12'/H in 24" diameter growing containers and sleeved to a diameter of 24", if shipping is \$1.75 per cubic foot?		
A. \$36.75		
B. \$84.00		
C. \$64.31		
D. \$175.00		
10. Assuming it will take 2 guys half an hour each to plant each tree and you charge \$35.00 per hour. How much will you charge to plant each tree?		
A. \$35.00		
B. \$70.00		
C. \$52.50		
D. \$65.00		
11. There will be ground cover planted around and in front of the interior trees. Which of the following plants will work well as interior ground cover plantings?		
A. Aquilegia x hybrid		
B. Buxus microphylla		
C. Pachysandra terminalis		
D. None of the above		
12. If each tree has a root ball of 3.14 square feet, how many square feet (to the nearest square foot) will be needed as ground cover plantings for the remaining area?		
A. 25.12 square feet		
B. 531 square feet		
C. 506 square feet		
D. 417 square feet		

client per ground cover plant?				
A.	\$18.40			
В.	\$110.40			
C.	\$32.00			
D.	\$20.00			
installation	You estimate it will take 408 ground cover plants to fill in around the trees. If one of your tion crew can install 6 plants in 15 minutes, and you are planning to charge \$35.00 per hour, how will you charge your client for the ground cover plant installation?			
A.	\$2380.00			
B.	\$595.00			
C.	\$840.00			
D.	None of the above			
15. The exterior plan shows a triangular shaped bed marked as D, planned for annual color plantings. You plan to use plants costing \$7.00 per square foot and will mark up the plant cost 2.3 times. How much will you charge for these plants?				
A.	\$1925.00			
B.	\$4427.50			
C.	\$962.50			
D.	\$3477.60			
	e plan calls for bark mulch to cover the exterior planting beds. You plan to use enough mulch oth. How many cubic feet of mulch will be needed for the planting bed labeled as C?			
A.	31.1 cubic feet of mulch			
B.	35 cubic feet of mulch			
C.	105 cubic feet of mulch			
D.	34.65 cubic feet of mulch			

Each ground cover plant will be delivered in a box of 6 each, costing \$48.00 with shipping per

box. You plan to mark your cost of ground cover plants 2.3 times. How much will you charge your

13.

7. It will take your installers 3 hours to plant each exterior tree. The trees will cost \$65.00 each. If ou charge \$35.00 per hour and mark up each tree 1.5 times, how much will you charge for each tree and abor to plant it?		
A. \$132.50		
B. \$170.00		
C. \$202.50		
D. \$215.50		
18. The client would like to have a color rotation program in the interior planting beds. You plan to change the blooming plants out 16 times per year so they are seasonally fresh. Each plant will cost \$8.00 including shipping and you use a 2.5 mark up to include some additional maintenance. How much will you charge for each pot per month?		
A. \$20.63		
B. \$27.50		
C. \$11.00		
D. \$26.67		
19. What is the square foot measurement of the concrete pad at the emergency exit between the exterior planting beds?		
A. 10 square feet		
B. 20 square feet		
C. 9 square feet		
D. 12 square feet		
20. You estimate it will take 4 man hours for the interior plant maintenance and you plan to schedule your visits every other week. If you charge \$36.00 per hour and your contract will be for one year, how much will your monthly labor charge be?		
A. \$312.00		
B. \$288.00		
C. \$624.00		
D. None of the above		