

2024 Tarleton Invitational Nursery Landscape Practicum

Topic: Soils and Growing Media

1. Organic matter found in soil comes from which of the following:
 - a. Decaying plant life
 - b. Animals
 - c. Animal excretion
 - d. All of the answers
2. The soil profile contains principal horizons to include the surface soil, subsurface, subsoil, and parent material. Which horizon contains both characteristics of the subsoil and weathered material?
 - a. Surface soil
 - b. Subsoil
 - c. Subsurface layer
 - d. Parent material
3. Which of the following Texas surface soil classes feels quite smooth or flowery when rubbed between the thumb and fingers?
 - a. Clay Loam
 - b. Loam
 - c. Silt Loam
 - d. Sandy Loam
4. Based on a $3/32" = 1'$ scale, what is the area of the Covered Patio Area labeled "L" located by the Jacuzzi?
 - a. 105.75 sq. ft.
 - b. 270.00 sq. ft.
 - c. 450.25 sq. ft.
 - d. 574.33 sq. ft.
5. The trees you have selected marked A on the landscape plan will cost you \$276.00 for each "balled and burlap" tree. Installation costs of the trees will be 32% of the total cost. What will be the total cost of the trees installed?
 - a. \$913.34
 - b. \$1,239.33
 - c. \$1,457.28
 - d. \$1,587.06

(Continue on Reverse)

6. If the designer calculated there to be 1,024 sq ft of flower beds, how many cubic yards of mulch would be needed to mulch to a depth of 3”?
- a. 7.62 cu yd
 - b. 9.48 cu yd
 - c. 14.60 cu yd
 - d. 27.23 cu yd
7. In order to ensure sufficient weed suppression and moisture retention for the trees marked “C” how many approximate cubic yards of mulch would be needed to cover a 4 ft. diameter space at a thickness of 9” for each tree, not considering the diameter of the tree?
- a. 3.99 cu yd
 - b. 4.85 cu yd
 - c. 6.97 cu yd
 - d. 8.02 cu yd
8. When considering depth of soil known as effective depth, which of the following soil depths would extend from 10 to 20 inches to a layer that retards root development.
- a. Very Shallow
 - b. Shallow
 - c. Moderately Deep
 - d. Deep
9. Using a $\frac{3}{32}$ ” = 1’ scale, what is the approximate area needed to install the jacuzzi (E) in the landscape plan.
- a. 64 sq. ft.
 - b. 80 sq. ft.
 - c. 145 sq. ft.
 - d. 160 sq. ft.
10. When considering the preparation of growing media for indoor and outdoor plants, which of the following would be a lightweight product made by heating mica to approximately 1800 degrees F?
- a. Round pine bark
 - b. Peat Moss
 - c. Vermiculite
 - d. Perlite

(Continue on Reverse)