

## Tarleton State University 2022 Area CDE Nursery & Landscape Exam KEY

- When installing a landscape, which step (from the following list) should be completed LAST?
  - Build retaining walls and garden walkways
  - Plant the trees and shrubs
  - Add amendments to the soil
  - Install the drainage system
- A privacy fence should be at least \_\_\_ feet high if the purpose is to screen the view of neighbors at ground level or others walking near the property at the same elevation.
  - 4
  - 5
  - 6
  - 8
- Underground stems with scale-like fleshy leaves (leek and onion) are called:
  - Bulbs
  - Roots
  - Tubers
  - Stolons
- \_\_\_\_\_ drawings show an object as seen by the eyes at eye-level.
  - Base map
  - Section
  - Perspective
  - Plan
- The recommended minimum width for a residential walkway in the public area of the landscape is \_\_\_\_\_ feet.
  - 6.5
  - 7.5
  - 5
  - 3.5
- The “puff balls” found on dandelions that are easily blown away by the wind, are actually:
  - Sepals
  - Seeds
  - Spores
  - Anthers
- The best type of sand to use in soil mixtures for container grown plants is:
  - Coarse textured
  - Fine-textured
  - White, fine-textured
  - Beach
- One reason modern horticultural fabrics used in landscaping are said to be better than black polyethylene film is they:
  - Prevent moisture from penetrating too deeply
  - Make a better base for rock mulch
  - Allow exchange of gases between soil and air
  - Completely control weeds
- Light energy, carbon dioxide, and water enter into the process of photosynthesis, through which:
  - Amino acids are formed
  - Respiration results
  - Carbohydrates are formed
  - Chlorophyll is formed
- A financial plan for the future is called a \_\_\_\_\_.
  - Budget
  - Deed
  - Net worth statement
  - Cash analysis
- Leaves that show interveinal chlorosis probably suffer from:
  - Water stress
  - Nitrogen excess
  - Chlorine damage
  - Iron deficiency
- Examples of cool season grasses include perennial ryegrass, bentgrass, and:
  - Bermudagrass
  - St. Augustine
  - Zoysia
  - Fescue

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13. Which would not be part of a lawn irrigation system?
- A. PVC pipe
  - B. Backflow valve
  - C. Differential valve
  - D. Solenoid valve
14. If a house is painted in several colors you might be worried about the colors of the house and the plant flower color clashing. One flower choice that would be safest to use is:
- A. White
  - B. Blue
  - C. Pink
  - D. Red
15. The main objective of root pruning is to:
- A. Fit the plant in a hole
  - B. Develop a compact and fibrous root system
  - C. Increase water absorption
  - D. Encourage normal stem growth
16. Which of the following is not an important environmental requirement for germination to occur?
- A. Carbon dioxide
  - B. Proper temperature
  - C. Moisture
  - D. Oxygen
17. Natural soil is arranged in layers referred to as:
- A. Soil rings
  - B. Soil texture
  - C. Soil horizons
  - D. Sand, silt, and clay
18. A \_\_\_\_\_ is a landscape designer's tool for drawing circles on a landscape plan.
- A. T-square
  - B. Protractor
  - C. Scale
  - D. Circle template
19. Recommended service intervals for jobs such as changing the oil in motorized landscape equipment, is usually measured in \_\_\_\_ of operations.
- A. Hours
  - B. Months
  - C. Miles
  - D. Days
20. Which of the following is not used to power string trimmers:
- A. Diesel fuel
  - B. A 4-cycle engine
  - C. A 2-cycle engine
  - D. Electricity/Battery
21. Some of the salt buildup in containerized plants can be removed by:
- A. Adding fertilizer
  - B. Withholding water
  - C. Leaching
  - D. Adding lime to the irrigation water
22. Though not recommended, if 2-cycle engine fuel is actually used in a 4-cycle engine:
- A. The engine will be much louder than normal
  - B. The engine will likely smoke a lot, but it will run
  - C. There is no problem, the engine will run just fine
  - D. The engine will not start or will be hard to start
23. Which of the following watering systems can reduce water usage by as much as 80%?
- A. Hand watering
  - B. Impulse sprinklers
  - C. Soaker Hose
  - D. Drip or Trickle Irrigation
24. Which of the following turf areas is mowed to the lowest height?
- A. Golf green
  - B. Commercial lawn
  - C. Home lawn
  - D. Golf fairway



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25. Plowing or tilling a bed or lawn when it is excessively wet may:
- A. Kill beneficial organisms in the soil
  - B. Damage the structure of the soil
  - C. Stratify the soil
  - D. Change the soil texture
26. For maximum effectiveness, mulches should be applied about \_\_\_\_\_ deep.
- A. 1 inch
  - B. 3-4 inches
  - C. 8-10 inches
  - D. 10-12 inches
27. The hardscape in a landscape design is defined as:
- A. Structures, paving, fencing, etc. incorporating into a landscape
  - B. The initial, rough landscape drawing
  - C. A space with a large area of concrete
  - D. Landscapes filled with mostly hardwoods
28. The nursery landscape trade and related industries are sometimes referred to as the:
- A. United Environmental Industry
  - B. Federated Nursery Industries
  - C. Outdoor Consortium
  - D. Green Industry
29. Many insect traps attract insects with:
- A. Dried flowers
  - B. Pheromones
  - C. Fresh flowers
  - D. A strong insecticide
30. Dead, decaying plant and animal material in the soil is referred to as:
- A. Soil reaction
  - B. Soil texture
  - C. Organic matter
  - D. The microorganisms that are present in the soil
31. In plants, \_\_\_\_\_ is the process of converting stored energy into energy for plant growth:
- A. Pollination
  - B. Transpiration
  - C. Respiration
  - D. Photosynthesis
32. The landscape profession for which you are most likely to need a license is:
- A. Landscape architect
  - B. Landscape designer
  - C. Landscape contractor
  - D. Landscape maintenance supervisor
33. Water \_\_\_\_\_ to help reduce disease in nursery crops.
- A. With overhead sprinklers
  - B. Late in the afternoon
  - C. Early in the morning
  - D. At night
34. PVC pipe used for irrigation is connected to couplings and fittings that are \_\_\_\_\_ to the pipe.
- A. Soldered
  - B. Clamped
  - C. Wired
  - D. Solvent welded
35. Larger nursery pots are measured by the:
- A. Inch
  - B. Gallon
  - C. Ounce
  - D. Height
36. One of the best ways to speed up the rooting process of cuttings is to:
- A. Always take cuttings after midday
  - B. Provide bottom heat
  - C. Keep the soil cool and the foliage warm
  - D. Harden them off by laying them out to dry a few days before sticking
37. A large perennial that provides a general effect of mass and grows in excess of five feet is:
- A. Pampas grass
  - B. Dianthus
  - C. Mexican Feather grass
  - D. Hosta
38. Which landscape tool is used to prune branches an inch or larger in diameter?
- A. Ax
  - B. Pruning knife
  - C. Pruning saw
  - D. Hand pruner

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39. Which is the best definition of the term understory, as used in landscaping?  
A. Smaller plants that grow under the canopy of a tree  
B. The basement of a two-story house  
C. Shrubs and other plants planted under the eaves of a house  
D. The bottom level of a two-story house
40. An example of an organic material is:  
A. Perlite  
B. Compost  
C. Pea gravel  
D. Vermiculite
41. Wisteria, Campsis radicans, and Japanese honeysuckle are examples of:  
A. Shrubs  
B. Groundcovers  
C. Trees  
D. Vines
42. When referring to the USDA Plant Hardiness Zone map, one can determine the:  
A. Minimum expected temperature for an area  
B. Soil characteristics for an area  
C. Humidity and microclimatic changes for an area  
D. Maximum expected temperature for an area
43. Some vines use \_\_\_\_\_ to support themselves as they climb.  
A. Stems  
B. Tap roots  
C. Tendrils  
D. Aquatic roots
44. Horticultural chemicals should be stored in which of the following?  
A. A free-standing, locked building  
B. The garage refrigerator  
C. A refrigerated storage cabinet  
D. A cool room such as the basement of a house
45. Large trees used to frame a one story, ranch style home can make the home seem \_\_\_\_ than it really is.  
A. Closer to the viewer  
B. Smaller  
C. Wider  
D. Larger
46. The term is used in horticulture to define plant injury sometimes caused by pesticides:  
A. Photosynchronous  
B. Emulsification  
C. Phytotoxicity  
D. Expectoration
47. The following plant grows from a tuber:  
A. Elephant Ear  
B. Celosia  
C. Impatiens  
D. Japanese honeysuckle
48. Landscape plans generally include all of the following except:  
A. The mature width of the plant  
B. The number of each type of plant to be planted  
C. A north orientation marker  
D. The mature height of the plant
49. A plant that remains vegetative during its first season of growth and flowers in the second season is a (n):  
A. Perennial  
B. Biennial  
C. Annual  
D. Propagule
50. Fireblight is a disease that most often affects susceptible plants:  
A. In recently installed landscapes  
B. During the winter  
C. In landscapes over four years old  
D. During periods of rapid succulent growth