

## 2015 Area-1 Envirothon – Camp Palmer – Fulton County, Ohio

### Urban Forestry

1. Which of the following is a characteristic of a tree ordinance?
  - a. A law passed by council
  - b. A law that is passed by public vote
  - c. Does not define the responsibility of the community
  - d. Contains approved tree lists
2. Which of the following is a law?
  - a. ANSI standard
  - b. Municipal policy
  - c. Municipal ordinance
  - d. Government specification
3. Which best describes an Urban Forester?
  - a. General maintenance personnel
  - b. A professional manager with a Bachelor's Degree in Forestry/Urban Forestry
  - c. Arborist or tree trimmer
  - d. An International Society of Arboriculture Certified Arborist
4. Which best describes Urban/Community Forestry?
  - a. The art, science, and technology of managing trees and forest resources in and around community ecosystems for the physiological, sociological, economic, and aesthetic benefits trees provide society
  - b. The art, science, and technology of managing trees and forest resources in and around large city ecosystems for the physiological, sociological, economic, and aesthetic benefits trees provide society
  - c. Planting, pruning, and removing public trees.
  - d. Managing trees in urban spaces like parks and commercial areas.
5. The branch collar \_\_\_\_\_.
  - a. is the swelling at the base to the branch.
  - b. is part of the branch and should be cut off when pruning.
  - c. is part of the trunk and holds the branch onto the tree.
  - d. is not important when pruning.
6. The depth roots can extend down into the soil is limited by \_\_\_\_\_.
  - a. the depth to bedrock.
  - b. oxygen in the soil.
  - c. tree species.
  - d. age of the tree.

7. Roots extends as much as \_\_\_\_\_ time(s) the drip line of an open grown tree.

- a. 1
- b. 1 ½
- c. 2 ½
- d. 3 ½

8. What organization administers the Certified Arborist program?

- a. Ohio DNR Division of Forestry
- b. The International Society of Arboriculture
- c. State University Extensions
- d. Department of Agriculture

9. Urban trees have been shown to:

- a. Interfere with downtown shopping by blocking signage
- b. Increase crime by offering criminals places to hide
- c. Reduce girls' impulsive behavior and reduce ADHD
- d. Increase pollution by reducing wind that dilutes it

10. A large tree returns on average \$ \_\_\_\_\_ per year in services.

- a. 13.00
- b. 15.00
- c. 65.00
- d. 80.00

11. In the 10-20-30 rule the 20 means

- a. you should plant 20 of the population in one species
- b. you can plant up to 20 of the population in one species
- c. you can plant up to 20 of the population in one genus
- d. you can plant at the very most 20 of the population in one species

12. Arbor Day in Ohio is officially \_\_\_\_\_.

- a. the last Friday in April.
- b. the fourth Friday in April.
- c. April 30<sup>th</sup>.
- d. the Friday of Earth Week.

13. How frequently should tree inventories be fully updated?

- a. Annually.
- b. When it needs it.
- c. Every 5-10 years.
- d. Every 7 years.

14. Which is not a Tree City USA Requirement?

- a. Tree Inventory & Management Plan
- b. A Tree Commission that meets regularly or a Forestry Department
- c. Tree Ordinance
- d. \$2 per person spent on tree care program during year

15. Studies show that pruning cycles/rotations between \_\_\_\_\_ years dramatically decreases emergency storm clean up costs and costly tree care needs.
- 1-3
  - 4-8
  - 6-10
  - 8-12
16. Trees should be planted \_\_\_\_\_
- with the top of the rootball level with the surrounding soil.
  - with the burlap on the rootball.
  - and staked.
  - with the root flare level or slightly above the surrounding soil.
17. How deep should mulch be around trees when planted?
- 2-4 inches with 2-4 inches free around the trunk
  - 2-4 inches
  - 3-6 inches
  - 4-6 inches with 2-4 inches free around the trunk
18. Which of the following is a common result of planting trees too deeply?
- Root girdling root development
  - Good tree survival
  - Stem girdling root development
  - Primary root development
19. Which best describes how to water newly planted trees?
- Good deep soak
  - 5 gallons of water per inch caliper plus 5 gallons weekly
  - Water the soil into the hole to get out air gaps
  - 15 gallons of water per week
20. When shopping for trees look for \_\_\_\_\_
- good form and structure, healthy stock, and labeled with Latin name.
  - good form and structure, absence of pruning, and labeled with Latin name.
  - good form and structure and the nursery with the least expensive stock.
  - good form and structure, v-crotches, and labeled with Latin name.
21. Crown lifting, cleaning, and deadwooding are examples of \_\_\_\_\_
- young tree training.
  - pruning techniques.
  - root growth management.
  - fertilizing methods.

22. What is the practice of pruning branches to the edge of the branch collar?
- Topping
  - Nature Pruning
  - Natural Target Pruning
  - Reduction Cuts
23. Tree fertilizing \_\_\_\_\_
- is the most cost-effective mature tree care treatment.
  - is usually counterproductive when it comes to tree health.
  - requires nitrogen, phosphorus, and potassium.
  - is best when applied in late summer.
24. Comprehensive management of street trees \_\_\_\_\_
- is commonplace in the majority of Ohio towns.
  - is provided by the ODNR Division of Forestry.
  - must be administered by the local officials who manage community infrastructure.
  - is not a beneficial goal for a community tree care program.
25. Street tree inventories are often the first activity for a new community tree care program. Why?
- Tree Inventories are popular and easy to do.
  - Inventories can be the most controversial activity in a tree care program.
  - It quantifies the tree resources, providing information for the best resource management.
  - Tree City USA requires tree inventories for Tree City USA status.
26. What type of tree inventory best quantifies the value of a community forest?
- A complete inventory
  - An ecosystem services inventory
  - A hazard tree inventory
  - A windshield survey
27. What is the most common measurement of urban tree size?
- Diameter at Breast Height
  - Circumference at Breast Height
  - Height
  - Crown Spread
28. The US Forest Service i-Tree Suite inventory software \_\_\_\_\_
- a free tool to quantify community forest values.
  - widely used and accepted.
  - the most popular and easy to use software on the market.
  - can be easily used in all aspects of inventory development.

29. What is the biggest threat to the long-term success of a tree inventory project?
- The use of volunteers
  - Private property rights advocates
  - Land use codes that regulate tree planting and maintenance in treelawns
  - The community is unprepared to handle the data storage and management
30. The definition of a hazard tree is
- A tree with a defect
  - A tree with a hollow in the trunk and the presence of carpenter bees
  - A tree with a high potential to fail and a target
  - The likelihood of failure of any tree
31. What is tree risk reduction?
- The reduction in the likelihood of tree failure due to some action
  - The combination of tree failure and the presence of a target
  - The wound dressing applied by arborists
  - A specialized pruning technique that involves tree topping
32. \_\_\_\_\_ is people or property potentially affected by a tree failure.
- A liability
  - Tree risk assessment
  - An interested party
  - A target
33. \_\_\_\_\_ is a reduction in hazard, either by treatment of the tree or removal of the target.
- Tension
  - A Natural Target Cut
  - Risk Abatement
  - Pollarding
34. Decay present in a tree
- renders a tree hazardous.
  - can be a symptom of past injury.
  - proves that a tree should be removed.
  - indicates that decay fungi will kill the tree.
35. Research has shown that healthy trees in commercial districts \_\_\_\_\_
- require very little maintenance.
  - attract more customers who are willing to pay higher prices
  - keep the big retailers from taking over towns.
  - block storefronts and signs making it difficult to find shops.

36. It is important for Urban Foresters to \_\_\_\_\_
- a. fill all planting spaces as quickly as possible.
  - b. plan to remove trees when they are mature.
  - c. be able to navigate and function effectively within their local governmental system.
  - d. do everything citizens want when requested.