

Envirothon 2007
Wood County
Forestry Station

Site Specific Forestry Questions:

1. Identify tree # 4
 - A. green ash**
 - B. boxelder
 - C. American elm
 - D. honeylocust
2. Which tree is vulnerable to Dutch Elm Disease (DED)?
 - A. # 1**
 - B. # 2
 - C. # 3
 - D. # 4
3. The classification of this forest ecosystem is.....
 - A. swamp
 - B. mesic
 - C. dry mesic
 - D. riparian floodplain**
4. What is the diameter at breast height (DBH) of the tree # 4 (to nearest one inch)?
 - A. 12
 - B. 13**
 - C. 14
 - D. 15
5. What is this tree's circumference?
 - A. 15×3.14159
 - B. 14×3.14159
 - C. 13×3.14159**
 - D. 12×3.14159
6. Of the four trees marked, which two are not members of the family *Ulmaceae*?
 - A. 1 & 2
 - B. 2 & 4
 - C. 3 & 4**
 - D. 1 & 3
7. An exotic invasive species plaguing this woodlot is.....
 - A. grape
 - B. bush honeysuckle**
 - C. blackberry
 - D. grass

8. Which one of the four marked trees produces a berry fruit (drupe) that is favored by birds and small rodents?
- A. # 1
 - B. # 2**
 - C. # 3
 - D. # 4
9. Identify tree # 2
- A. American elm
 - B. hackberry**
 - C. American beech
 - D. honeylocust
10. Of the four marked trees, which one is at risk for EAB infestation?
- A. # 1
 - B. # 2
 - C. # 3
 - D. # 4**

General Forestry Related Questions:

11. An example of a hard mast producing tree is
- A. white ash
 - B. silver maple
 - C. shagbark hickory**
 - D. American basswood
12. Which of the following is not a beneficial type of tree root?
- A. tap
 - B. feeder
 - C. sinker
 - D. girdling**
13. Today, what is the percent of forest cover in Ohio?
- A. 25%
 - B. 33%**
 - C. 50%
 - D. 75%
14. A parasitic plant native to Ohio is
- A. Spanish moss
 - B. mistletoe**
 - C. multiflora-rose
 - D. honeysuckle
15. An example of a timber stand improvement technique is
- A. clear-cut
 - B. tree planting
 - C. invasive species control**
 - D. removing fallen debris from understory

16. A cull tree by applied forestry definition is a tree....
- A. with a cavity in its trunk
 - B. with less than 50 percent sound/merchantable wood**
 - C. with less than 1 log of sound wood
 - D. with a lightning scar on main trunk
17. A gymnosperm native to Ohio is
- A. white oak
 - B. northern red oak
 - C. Virginia pine**
 - D. loblolly pine
18. The purpose of crop tree release in a densely-stocked young pole stand is to....
- A. Harvest only the valuable species for such purposes as firewood and fenceposts.
 - B. Allow for sunlight to reach the forest floor in order to allow seedlings a chance to receive sunlight.
 - C. Harvest as much merchantable timber before an imminent invasive species comes along and kills many of the trees.
 - D. Open up more growing space for young, desirable trees so that they can grow faster and healthier.**
19. The site index of a tree at 50 years is 70, what does 70 refer to?
- A. age of the tree
 - B. average age of that species in the entire stand
 - C. diameter of the tree
 - D. height of the tree**
20. Natural substances within trees which give them their unique scent that insects and mammals can easily detect are known as
- A. pollens
 - B. creosotes
 - C. volatile organic compounds**
 - D. bacteria
21. A tree with a DBH of 10.50 inches is included in what commercial size class?
- A. seedling class
 - B. sapling class
 - C. pole class**
 - D. sawtimber class
22. Which of the following tree components largely transports water and nutrients throughout a tree's vascular system?
- A. bark
 - B. cambium**
 - C. heartwood
 - D. xylem

23. What percentage best represents the average amount of a tree's feeder roots located within the first 12 inches of soil?
- A. 25%
 - B. 50%
 - C. 66%
 - D. 90%**
24. Crop-tree release should be performed in dense stands of trees that are between _____ and _____ feet tall.
- A. 10, 15
 - B. 25, 30**
 - C. 45, 50
 - D. 55, 60
25. An exotic invasive tree plaguing Ohio's woodlands is.....
- A. black locust
 - B. red maple
 - C. ailanthus**
 - D. honeylocust
26. Which of the following is not a form of sustainable timber harvesting?
- A. Clear-cutting
 - B. Slash and burn**
 - C. Selection
 - D. Shelterwood
27. An example of a gymnosperm is
- A. cactus
 - B. shagbark hickory
 - C. black raspberry
 - D. eastern white pine**
28. Ohio's only National Forest is
- A. Hoosier National Forest
 - B. Hocking National Forest
 - C. Cuyahoga Valley National Forest
 - D. Wayne National Forest**
29. According to best management practices (BMPs) for logging operations in Ohio, it is recommended that timber harvesting should not be done within _____ feet on either side of a stream, creek, river, or wetland.
- A. 25
 - B. 50**
 - C. 75
 - D. 100