

2025 AREA FORESTRY TEST KEY-WRITTEN BY JUSTIN LAW, ODNR SERVICE FORESTER

1. I am one of the few oak trees in Ohio that prefers alkaline soils. I have a large presence on this site. What am I?
 - a. Red oak
 - b. Scarlet oak
 - c. Black oak
 - d. Chinkapin oak**
2. Found on this site, this conifer's wood is often utilized in northeast Ohio for log cabin industry.
 - a. White pine**
 - b. Spruce
 - c. Arborvitae
 - d. Hemlock
3. This tree's wood is often utilized for tight cooperage.
 - a. White oak**
 - b. Cherry
 - c. Red oak
 - d. Pin oak
4. What is the most abundant non-native invasive species found on this site?
 - a. Bush honeysuckle**
 - b. Spice bush
 - c. Grapevine
 - d. Burning bush
5. Could the trail that you walked on to this station be identified by a forester pre-harvest to be used as a primary skid trail for timber harvesting? Choose the Best Answer?
 - a. No, Forester's do not identify skid trails
 - b. No, Forest trails are only used for recreation
 - c. Yes, existing trails are often improved upon to skid logs**
 - d. Yes, but only with written approval from the Chief
6. What non-native invasive plant found on this site retains its leaves later into the fall than most native trees and shrubs?
 - a. Bush Honeysuckle**
 - b. Viburnum
 - c. Buckeye
 - d. Ginseng
7. Which of the control methods is used for controlling mature tree-of-heaven?
 - a. Foliar spray
 - b. Cut Stump Herbicide Treatment
 - c. Hack and squirt**
 - d. Soil drench
8. In determining the health and growing ability of a particular tree regardless of species, a forester always assesses what factor?

- a. Soil type
 - b. Crown condition**
 - c. Bark texture
 - d. Tree height
9. Foresters measure the volume of standing timber by using the following tool(s)?
- a. Clinometer
 - b. Diameter tape
 - c. Prism
 - d. **All of the above**
10. Most of Ohio's forest land is owned by _____
- a. Federal government
 - b. Private landowners**
 - c. State Government
 - d. Elon Musk
11. This technique is commonly used by foresters to kill undesirable trees
- a. Screening
 - b. Marking
 - c. Girdling**
 - d. Taping
12. BMPs for erosion control for logging and forestry practices can help control?
- a. Silvicultural non-point source pollutants**
 - b. Invasive plants
 - c. Hardwood regeneration
 - d. Clearcutting
13. Foresters often recommend this thinning practice to promote the most desirable trees?
- a. Tree planting
 - b. Clearcutting
 - c. Crop tree release**
 - d. Prescribed fire
14. In Ohio Forestry, what is the length in feet of one log?
- a. 10 ft
 - b. 16 ft**
 - c. 8 ft
 - d. 12 ft
15. What type of product might be used to control invasive shrubs found in this forest?
- a. Fungicide
 - b. Herbicide**
 - c. Rodenticide
 - d. Insecticide
16. In Ohio, what causes most wildfires?
- a. Lightning

- b. Cigarettes
- c. **Debris burning**
- d. Fireworks

17. What are the three legs of the Wildfire Behavior Triangle?

- a. Heat, Ignition, and Oxygen
- b. Smoke, Flame, and Intensity
- c. Plume, Scorch, and Melting point
- d. **Fuel, Weather, and Topography**

18. Which statement **best** describes Silviculture?

- a. **The art and science of growing trees**
- b. The genetics of tree form
- c. The science of seeds
- d. The laboratory production of angiosperms

19. Which of the following are considered secondary forest products manufacturing?

- a. **Wood furniture industries**
- b. Logging contractors
- c. Shopping malls
- d. Sawmills

20. Where is most of Ohio's forestland found?

- a. West of Columbus
- b. **East and south of the glacial line in the western foothills of Appalachia.**
- c. Mercer county
- d. Lake Erie Watershed

21. What is the most common forest type found in Ohio?

- a. Maple/Beech/Birch
- b. White/Red Pine
- c. Spruce/Fir
- d. **Oak/Hickory**

22. What is a practice used by Foresters to improve the overall health and condition of the forest?

- a. Invasive species control
- b. Timber Harvesting
- c. Crop Tree Release
- d. **All the above**

23. This shade tolerant tree is also referred to in the timber industry as soft maple?

- a. Sugar maple
- b. Black maple
- c. **Red maple**
- d. All the above

24. What has the use of Geographic Information Systems in Forestry improved?

- a. Managing large amounts of data

- b. Forest Inventory
- c. Landscape scale management
- d. All of the above**

25. What is the forest volume in Ohio?

- a. 96.3% hardwoods and 3.7% conifers**
- b. 75% hardwoods and 25% conifers
- c. 50% hardwoods and 50% conifers
- d. None of the above

26. Identify this hardwood tree:

- a. Bitternut hickory
- b. Blue ash**
- c. Black walnut
- d. Chinkapin oak

27. Using the D-Tape, what is the **DBH** of this sugar maple?

- a. 20
- b. 12
- c. 18
- d. 16**

28. Using the tree scale stick, determine the merchantable height in logs of this hickory

- a. $\frac{1}{2}$
- b. 3
- c. 1
- d. 2**

29. Using the tree scale stick, determine the board foot volume of this black walnut

- a. 450
- b. 132
- c. 194**
- d. 72

30. Using the tree scale stick, determine the merchantable log height of this hickory.

- a. 0.5
- b. 3
- c. 1
- d. 2**