

2009 SWCD Area 1 Envirothon
Camp Clay, Van Wert, OH

Forestry

Do not write answers on this paper.

- *Indicate the one best answer for each question on the “Forestry” Scantron answer card.*
- *Use a No. 2 pencil.*
- *Erase completely to change.*

Note trees and shrubs in the woodlot to answer questions no. 1 through no. 6.

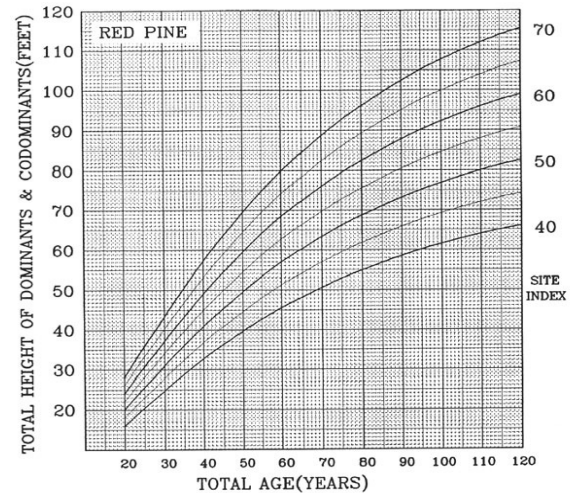
1. What is the exotic shrub that is overtaking the understory of this woodlot?
 - a) paw paw
 - b) spicebush
 - c) Chinese privet
 - d) blackberry
 - e) bush honeysuckle
2. What species is this tree?
 - a) black walnut
 - b) sugar maple
 - c) Kentucky coffee tree
 - d) catalpa
 - e) honey-locust
3. Using the Doyle tree scale, estimate the approximate number of board feet in this tree.
 - a) 24
 - b) 100
 - c) 216
 - d) 230
 - e) 1000
4. Which of these trees is threatened by emerald ash borer?
 - a) b) c) d) e) none of the above
5. Assuming that the average width of an annual ring on this tree is 0.2 inches. Using diameter at breast height (dbh) estimate the approximate age of this tree.
 - a) 20 years
 - b) 38 years
 - c) 66 years
 - d) 76 years
 - e) 104 years

6. What is the term used to describe this type of excessively old, large tree among a younger cohort?
- wolf tree
 - whopper tree
 - snag
 - grand tree
 - hybrid tree
7. A silvicultural clearcut is a forestry method used to do what?
- reduce aesthetic impacts of timber harvesting
 - regenerate shade intolerant tree species
 - remove only undesirable midstory trees
 - harvest only those trees with the greatest monetary value
 - reduce logging slash
8. Approximately what percent of Ohio's forests are privately owned?
- 26%
 - 31%
 - 54%
 - 66%
 - 87%
9. In forestry, the term "mast" refers to what?
- a straight tree
 - tree cover
 - a tree's ability to tolerate shade
 - woody debris
 - fruit produced by woody plants
10. A riparian buffer:
- is required by law to be maintained in Ohio.
 - reduces stream sediment
 - regulates stream temperatures
 - b and c only
 - a, b and c
11. A forest with an overstory and an understory comprised of like species is considered:
- a pioneer forest.
 - a mid-successional forest.
 - a climax forest.
 - undesirable.
 - exotic.
12. What term collectively refers to the forest floor, herb layer, shrub layer, midstory and overstory?
- an old growth forest
 - forest structure
 - forest fragmentation
 - hierarchical forestry
 - forest soil layers

13. Of the following, which forest product usually garners the greatest per unit price?
- firewood log
 - sawlog
 - tie log
 - veneer log
 - pulpwood

14. Which of the following tree species is not native to Ohio?
- white mulberry
 - scarlet oak
 - Virginia pine
 - cucumber-tree
 - blue ash

15. Refer to the adjacent chart:
If you determine an average height of dominant and co-dominant trees in an even-aged red pine stand to be 80', and you know the site index is 60, how old is the stand?
- 55 years
 - 65 years
 - 75 years
 - 85 years
 - 95 years



16. If a stream is present within a logging site, what is the best way to deal with it?
- cross it at a 45° angle
 - cross it at a 90° angle
 - install a culvert
 - avoid it, if possible and practical
 - drive in the center of the stream channel

17. Which is/are considered pioneer species?
- black walnut
 - sugar maple
 - American beech
 - yellow-poplar
 - both a and d

18. The Ohio Division of Forestry manages 20 State Forests in 21 counties in Ohio. Approximately how many acres do these forest encompass?
- 8,000 acres
 - 85,000 acres
 - 185,000 acres
 - 255,000 acres
 - 1,000,000 acres

19. A piece of lumber that measures 4" wide, 1" thick and 18 feet long. How many board feet does it contain?
- 6 bd. ft.
 - 32 bd. ft.
 - 64 bd. ft.
 - 216 bd. ft.
 - 576 bd. ft.

20. If the board in question 19 is sold for \$3 per linear foot, what is the price per board foot?
- a) \$6
 - b) \$7
 - c) \$8
 - d) \$9
 - e) \$10
21. The term *poletimber* refers to trees with diameter at breast height (dbh) of :
- a) 1.0" to 3.99."
 - b) 4.0" to 10.9."
 - c) 11.0" to 17.9."
 - d) 18" to 23.9."
 - e) 24"+.
22. What term refers to managing the forest to concurrently satisfy the needs and wants of different interest groups?
- a) multiple use management
 - b) concurrent use management
 - c) placation management
 - d) satisfaction management
 - e) recreation management
23. Approximately how many gallons of sugar maple sap are needed to produce one gallon of maple syrup?
- a) 5 to 10 gallons
 - b) 15 to 20 gallons
 - c) 35 to 40 gallons
 - d) 55 to 60 gallons
 - e) 75 to 80 gallons