

Regional Envirothon Forestry Questions 2011

Defiance County, Ohio

#QUESTIONS IN RED ARE SITE-SPECIFIC#

1. _____ is the monetary value of standing timber.

- a) Stocking
- b) Stumpage
- c) Cord
- d) Footage
- e) Biltmore

2. What species is this tree?

- a) black walnut
- b) white oak
- 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) 1032
- b) 32
- c) 225
- d) 300
- e) 346

4. If it is determined that the average value of one board foot within this tree is \$.40, what is the dollar value of the merchantable logs in this tree?

- a) \$400
- b) \$576
- c) \$90
- d) \$43
- e) \$900

5. Which of these trees is threatened by emerald ash borer?

- a)
- b)
- c)
- d)
- e) none of the above

6. What is the forestry term used to describe a standing dead tree?

- a) wolf tree
- b) whopper tree
- c) snag
- d) grand tree
- e) hybrid tree

7. Best Management Practices (BMPs) are activities designed for a specific purpose.

What is the primary purpose of Forestry BMPs?

- a) Make more money from wood lots
- b) Maintain water quality
- c) Create more wildlife habitat
- d) Keep the forest healthy

8. The most common forest-type group in Ohio is _____.

- a) elm/ash/red maple
- b) aspen/birch
- c) oak/pine
- d) northern hardwoods
- e) oak/hickory

9. Which of the following trees produces soft mast?

- a) shellbark hickory
- b) northern red oak
- c) American beech
- d) Black walnut
- e) Persimmon

10. In forestry, the terms “tolerant” and “intolerant” categorize tree species by their ability to develop and grow in different levels of _____.

- a) shade
- b) latitude
- c) water
- d) pollution
- e) fertilizer

11. The trees in this forest help to:

- a) reduce the impact force of raindrops on soil
- b) slow agricultural runoff
- c) reduce stream temperatures
- d) only A and B
- e) A, B and C

12. A forest that first colonizes a disturbed area is commonly called:

- a) a pioneer forest
- b) a mid-successional forest
- c) a climax forest
- d) undesirable
- e) exotic

13. Of the following, which forest product usually garners the greatest per unit price?

- a) firewood log
- b) sawlog
- c) tie log
- d) veneer log
- e) pulpwood log

14. Which of these tree species is not native to Ohio?

- a) Kentucky coffee-tree
- b) Virginia pine
- c) cucumber-tree
- d) pumpkin ash
- e) loblolly pine

15. Who owns most of Ohio's forests?

- a) Private land owners (Non-industrial)
- b) The State of Ohio (State Parks, State Forests, Wildlife areas, etc...)
- c) Timber Investment Management Organizations (also called TIMOs)
- d) The U.S. government (National Park, National Forest, USFWS lands, etc...)
- e) Private conservancy groups

16. Wooded wetlands in Ohio _____.

- a) Increase downstream flooding
- b) degrade water quality
- c) kill beavers
- d) replenish groundwater
- e) all of the above

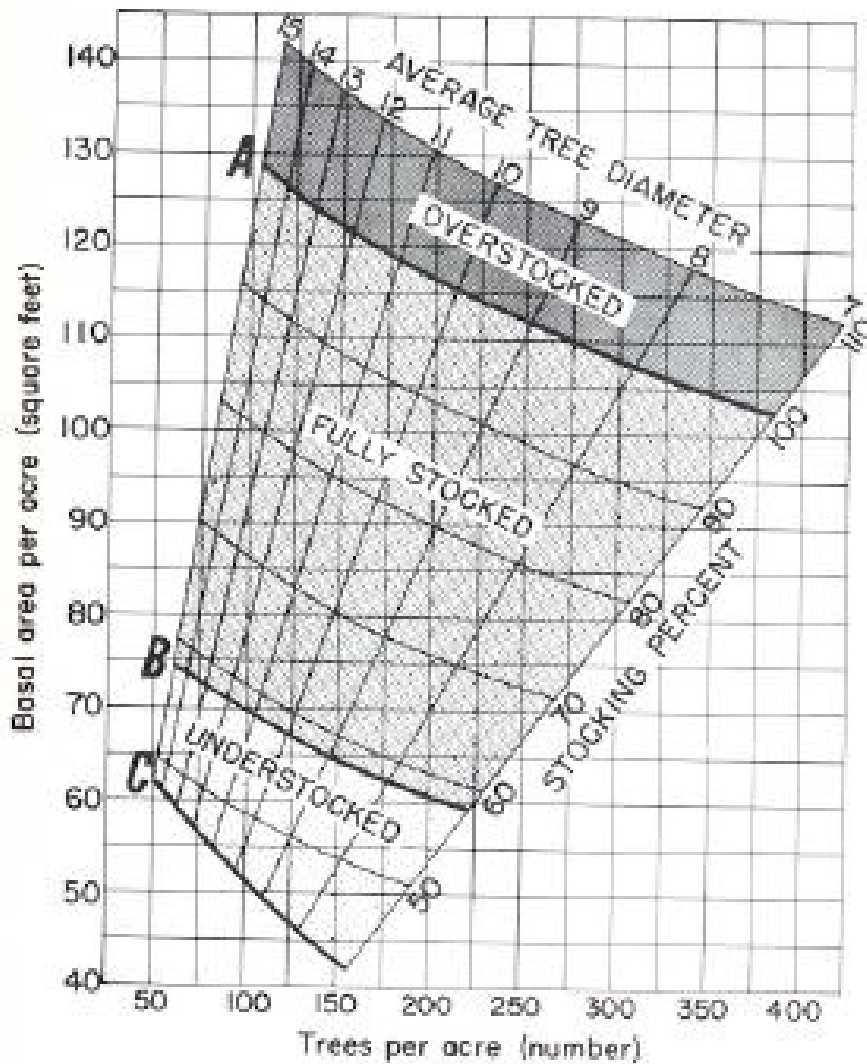
17. In Ohio, which is/are considered pioneer species?

- a) bigtooth aspen
- b) sugar maple
- c) American beech
- d) green ash
- e) both a and d

18. All of the following are exotic invasive plants threatening Ohio's forests and wetlands except _____.

- a) Tartarian honeysuckle
- b) Strawberry-bush
- c) Purple loosestrife
- d) Garlic mustard
- e) Japanese barberry

Refer to the following chart to answer question 19:



From: Even-Aged Silviculture for Upland Central Hardwoods, Ag. Handbook 355

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19. If an inventory cruise of a forest stand reveals an average tree diameter of 9" and an average of 200 stems per acre, what is its average basal area according to the above chart?

- a) 45
- b) 75
- c) 90
- d) 110
- e) 130

20. Approximately what percent of Ohio is forested?

- a) 15%
- b) 20%
- c) 30%
- d) 45%
- e) 50%

21. Approximately what percent of Ohio was covered with forest before Europeans settled the area?

- a) 100%
- b) 95%
- c) 75%
- d) 65%

22. If a beam measuring 6 inches wide, 24 inches thick and 10 feet long is sold for \$360, what is the approximate price per board foot of the beam?

- a) \$3
- b) \$6
- c) \$12
- d) \$24
- e) \$36

23. Managing the forest to concurrently satisfy the needs and wants of different interest groups is known as _____.

- a) multiple-use management
- b) concurrent-use management
- c) placation-management
- d) satisfaction-management
- e) recreation-management

24. Which disease/pest is not yet known to have been detected in Ohio?

- a) emerald ash borer
- b) chestnut blight
- c) butternut canker
- d) sirex wood wasp
- e) gypsy moth

25. According to the publication BMPs for Erosion Control for Logging Practices in Ohio, the area between this point and the creek is known as a _____.

- a) Water Management Zone
- b) Logging Safety Zone
- c) Diffuse Porous Zone
- d) Sedimentation Management Zone
- e) Streamside Management Zone

26. If a logging road had to cross the creek at this point, which of the following would be the best way to do so?

- a) fill the channel with clean gravel and cross at a right angle
- b) fill the channel with clean gravel and cross at a 45 degree angle
- c) install a culvert and cross at a right angle
- d) install a culvert and cross at a 45 degree angle
- e) follow the edge of the channel as much as possible