

Name \_\_\_\_\_

Office Location \_\_\_\_\_

FIA 2005 Written Test

- 1.) If a plot has a 15.5" DBH bur oak, a 12.7" DBH bur oak, and two 9.3" DBH bigtooth aspens, what is the stocking value for the plot?
  - A. 3.8
  - B. 6.0
  - C. 11.0
  - D. 8.5
  - E. None of the above
  
- 2.) What is a fork when taking a DBH measurement?
  - A. A stem that is at least 1/3 the diameter of the main stem and branches out at an angle of 45 degrees or less
  - B. Any time the piths separate.
  - C. A stem that is half the diameter of the main stem where the piths separate.
  - D. When a tree forks below DBH.
  - E. None of the above.
  
- 3.) When a boundary between two forested conditions is not clearly marked, where should the boundary be delineated?
  - A. Do not delineate because it is too hard.
  - B. Along the stem of the contrasting condition
  - C. Half way between the stems of the two conditions.
  - D. On the drip line of the crowns of the contrasting condition.
  - E. At subplot center
  
- 4.) What is the merchantable portion of a tree?
  - A. From the ground to the 7 inch top.
  - B. From the 1 ft stump to the tip of the apical meristem.
  - C. 1 ft stump to a 4" top
  - D. From DBH to the top of the saw log
  - E. Whatever the logger removes from the plot.
  
- 5.) What damage is coded on a tree that has a seam that starts at the base of the live crown and goes to the base of the tree, within this seam about 3 feet below the crown there is a little pocket of punky wood?
  - A. 4, 5, 0, 0
  - B. 2, 2, 0, 260
  - C. 5, 2, 0, 260
  - D. 3, 5, 0, 0
  - E. No damage recorded

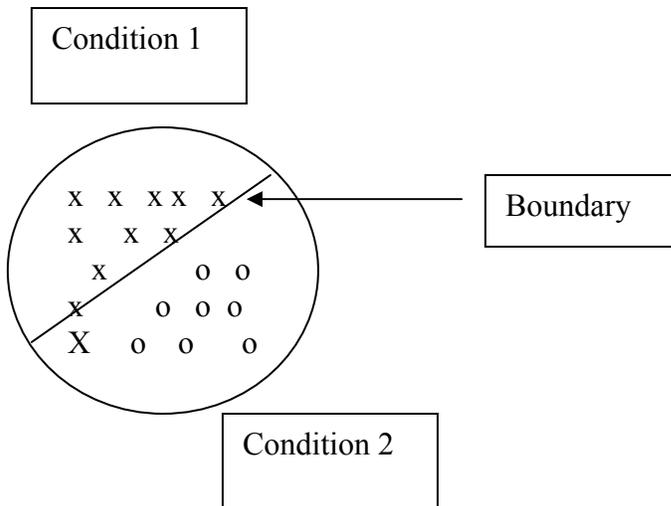
- 6.) The crew last time entered the wrong left or right azimuth, what code is entered under boundary change?
- A. 1
  - B. 2
  - C. 0
  - D. 3
  - E. Not enough information to answer
- 7.) Which damage(s) codes are valid in location 9?
- A. 24
  - B. 21
  - C. 05
  - D. 25
  - E. Both A and D
  - F. All of the above
- 8.) Which of these tree species must have a tree class of 30?
- A. 0110
  - B. 0391
  - C. 0761
  - D. 0802
  - E. None of the above
  - F. Both B and C
- 9.) Subplot one which is entirely forested has Japanese barberry present which covers an area 5 feet on each side, what NC NON-NATIVE INVASIVE PLANT SPECIES CODE and NC PERCENT PLANT COVER is recorded?
- A. 8303, 2
  - B. 8204, 5
  - C. 8002, 2
  - D. 8002, 5
  - E. None of the above
- 10.) From Question 9, if you were in the state of Wisconsin which of the following statement is correct regarding NC SPECIMEN COLLECTED?
- A. You are required to collect a specimen
  - B. You may collect a specimen.
  - C. You do not have to collect a specimen.
  - D. Either B or C.
  - E. None of the above

- 11.) On a subplot in Missouri, porcelain berry is found on subplot 3 and covers an area with a radius of 10 feet. What are the collected values for NC NON-NATIVE INVASIVE PLANT SPECIES CODE, NC PERCENT PLANT COVER, and NC SPECIMEN COLLECTED?
- A. 8303, 4, 1
  - B. 8202, 4, 1
  - C. 8202, 2, 0
  - D. 8202, 4, 0
  - E. None of the above

**True or False:**

- \_\_\_\_\_ 12. A dead and down re-measurement tree can get a TREE CLASS of 30.
- \_\_\_\_\_ 13. Vines in the branches have to affect 20% of the live crown to be recorded.
- \_\_\_\_\_ 14. A tree can receive a log grade of 430 with a whorled knot that is over 1/3 the diameter.
- \_\_\_\_\_ 15. When taking the DBH of a tree with a bump at 4.5 ft. take the diameter immediately above the irregularity where it ceases to affect the normal stem form.
- \_\_\_\_\_ 16. The PRESENT NON-FOREST LAND USE attribute is assigned to all non-forest land uses on re-measurement plots.
- \_\_\_\_\_ 17. The minimum length for a clear cutting on a 16.0" at DBH northern red oak with a grade of 100 is 5 ft.
- \_\_\_\_\_ 18. A small sapling (< 3.0") due to excessive sweep can have a TREE CLASS of 30.
- \_\_\_\_\_ 19. The "x" on the image (DOQ) for a sample kind 2 plot is the correct location of the plot even if the ground plot is found in a different location.
- \_\_\_\_\_ 20. Autumn olive covers the entire forested portion of the subplot, the forested condition only covers 50% of the subplot code 7 is recorded for NC PERCENT PLANT COVER.
- \_\_\_\_\_ 21. A Subplot center must be referenced when the forested subplot center has no trees tallied over 3"
- \_\_\_\_\_ 22. To delineate two forested conditions based on TREE DENSITY (DENS), the less dense condition must be 25% or less as dense as the more dense condition.

- \_\_\_\_\_ 23. A small cabinet shop with a portable saw-mill should be coded "0" for INDU – PRIVATE OWNER INDUSTRIAL STATUS.
- \_\_\_\_\_ 24. A riparian area can be defined as a forest area between 30 and 120 feet wide, and 1 acre or more in size, cumulative, and adjacent to but not necessarily present on both sides of a naturally occurring or artificially created body of water or watercourse with continuous or intermittent flow.
- \_\_\_\_\_ 25. You must have a 12 ft. section to grade eastern white pine, red pine, jack pine, and eastern hemlock.
- \_\_\_\_\_ 26. A riparian area can delineated if it is adjacent to non forest conditions on both sides.
- \_\_\_\_\_ 27. A tree has five branches and one branch has 25% of its main branch broken a damage type 22 should be recorded.
- \_\_\_\_\_ 28. A tree with a PREVIOUS TREE STATUS=1 and PRESENT TREE STATUS=2 must have a mortality year recorded.
- \_\_\_\_\_ 29. A tree with a PREVIOUS TREE STATUS=2 and CURRENT TREE STATUS = 2 receives a mortality year code.
- \_\_\_\_\_ 30. A stand has 35% of its understory browsed by deer, a disturbance code is recorded.
- \_\_\_\_\_ 31. Bark texture and exfoliation are recorded on a dead paper birch over 5" DBH.
- \_\_\_\_\_ 32. Seventy-five percent of the northern red oak in a condition have gypsy moth defoliation and the northern red oak comprise 20% of the stand, a disturbance code of 10 is recorded.
- \_\_\_\_\_ 33. You record the ACTUAL LENGTH and the TOTAL LENGTH of a live tree with a broken top.
- \_\_\_\_\_ 34. To avoid coring trees on re-measured site trees, the number of years may be added to the previous age given on the data sheet.
- \_\_\_\_\_ 35. Compacted crown ratio based on a percentage of the crown to the length of the tree not the height of the tree.
- \_\_\_\_\_ 36. Data collection is required on a leafy spurge plant found at the starting point.



37. In the above diagram in which condition would tree X be recorded?

- A. Condition 2
- B. Condition 1
- C. Either condition

38. What is the stocking value for the following on the subplot or microplot when the largest tree tallied on the plot is 7.0" DBH.

- \_\_\_\_\_ 7.0" DBH eastern white pine
- \_\_\_\_\_ 2.1" DBH eastern white pine
- \_\_\_\_\_ two seedling balsam firs