



NATIONAL FFA FORESTRY CAREER DEVELOPMENT EVENT

Exam

1. Which of the following is not correct?
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 - B. Hectare equals 1,000 square meters
 - C. Acre equals 100 square meters
 - D. Hectare equals 2.471 acres

2. If the circumference of a tree at DBH is 47 inches, what is the diameter?
 - A. 147
 - B. 15
 - C. .067
 - D. 50

3. Aerial fuel is located more than _____ feet above the ground in the mid to upper canopy of the forest.
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 - B. Eight
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4. A pulping process in which wood fibers are separated by dissolving the lignin that cements them together is called:
 - A. Hydrapulping
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5. Which of the following is a survey line that runs east-west?
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6. Which of the following products does not come from cellulose xanthate?
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7. The population of plants that occupies an environment when the succession of plant species is complete and the plant population has stabilized is known as a:
 - A. Boreal forest
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8. Which of the following is not one of the basic tissues systems of a plant?
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9. Which tool is used to measure boundaries on scale maps to determine land area?
 - A. Dot Grid
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10. Dehydration synthesis is a plant process that is responsible for the formation of:
- A. Glucose
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11. What are current tree felling wedges made of?
- A. Steel, plastic
 - B. Plastic, aluminum
 - C. Wood, aluminum
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12. What method of forest regeneration relies on stump sprouts from harvested trees?
- A. Stock Grafting Method
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13. Which of the following is an example of a commensalism relationship between organisms?
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 - D. Spanish moss growing in the canopy of a tree
14. Annually, _____ is the highest consumer of sawn wood.
- A. China
 - B. United States of America
 - C. German
 - D. Italy

15. Which statement is true?
- A. Softwood has a rough wood texture
 - B. Softwood is porous due to the presence of vessels
 - C. Tracheid content in softwood is 90% to 95%
 - D. Softwood comes from angiosperm, deciduous trees
16. The strength of wood along the long axis of a tree is called:
- A. Ductile strength
 - B. Density
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17. The intent of the _____ was to establish forests on 40 acres of each 160-acre homestead in the Great Plains region.
- A. Homestead Act of 1862
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18. A tensiometer is an instrument that is used to:
- A. Measure the water content of soil
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19. The _____ is a cell structure that contains materials capable of capturing energy from the sun as the plant produces sugars and starches.
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20. Fruit structures for elm, ash, and maple are known as Samara. Samara are _____.

- A. Dehiscent
- B. Indehiscent
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21. Which weather condition would be of greatest concern when felling a tree?

- A. Wind
- B. Temperature
- C. Humidity
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22. A saw that makes two or more cuts at the same time is called a:

- A. Band Saw
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24. Trees that produce seeds inside an ovary or fruit are called:

- A. Angiosperms
- B. Gymnosperms
- C. Monoecious
- D. Dioecious

25. Which soil horizon, commonly referred to as topsoil, contains a mixture of humus and mineral soil?
- A. O
 - B. A
 - C. E
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26. Integrated Pest Management (IPM) utilizes which of the following control methods?
- A. Chemical control
 - B. Mechanical control
 - C. Biological control
 - D. All of the above
27. The first cut on each of the four sides of a log removes an exterior piece of wood called a _____.
- A. Plank
 - B. Cant
 - C. Beam
 - D. Slab
28. _____ is the scientific care of shrubs and trees in cities and towns.
- A. Silviculture
 - B. Arboriculture
 - C. Horticulture
 - D. Pomiculture
29. Which of the following is not a component related to Geographic Information Systems (GIS)?
- A. Satellite
 - B. Computer
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30. Which of the following careers would most likely require individuals to have an advanced degree, such as a master or doctorate?
- A. Urban Forester
 - B. Forest Technician
 - C. Land Surveyor
 - D. Research Scientist
31. As part of the 1933 “New Deal”, the Civilian Conservation Corps (CCC) was created to plant trees, install erosion control structures, and build recreational campgrounds under the administration of what US President?
- A. Herbert Hoover
 - B. Franklin D. Roosevelt
 - C. Theodore Roosevelt
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32. Which of the following is not considered an alternative enterprise for forest landowners.
- A. Firewood
 - B. Plywood and OSB
 - C. Decorative or specialty wood products
 - D. Seed cone production
33. The _____ layer of the forest is made up of the tallest trees that rise above all others.
- A. Emergent
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34. Filter strips are areas of undisturbed vegetation that are left between a harvest site and a body of water. Which factor likely has the greatest effect on determining the width of the filter strip left in place following a logging operation?
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37. Achene fruit consists of a single, hairy seed that can be easily carried by wind. An example of a tree species with this fruit structure is:
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40. What is the correct order?
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 - B. Order, Family, Genus, Species
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41. If you are traveling an azimuth of 215, you are headed in a _____ direction.
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