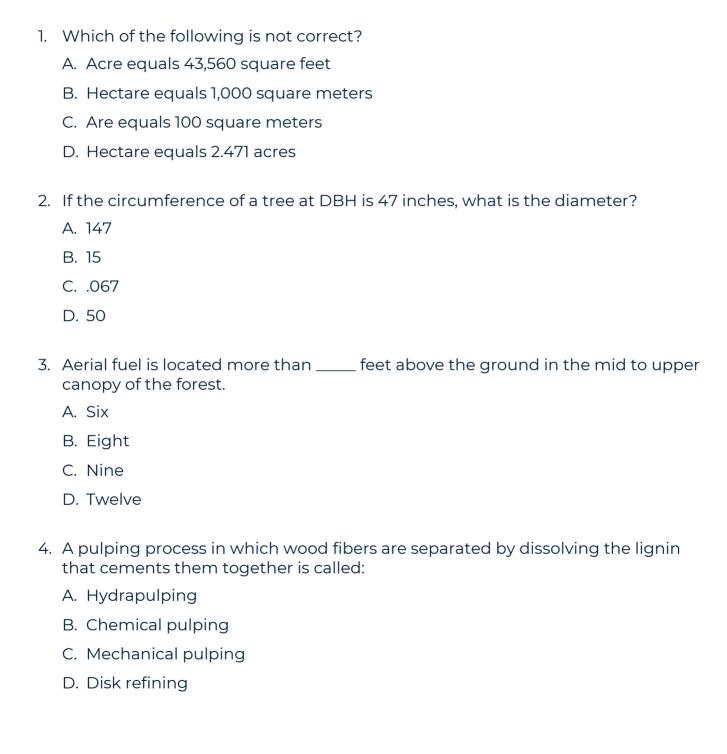


# NATIONAL FFA FORESTRY CAREER DEVELOPMENT EVENT

### **Exam**



5.	Which of the following is a survey line that runs east-west?  A. Principal Meridian
	B. Guide Meridian
	C. Section
	D. Baseline
6.	Which of the following products does not come from cellulose xanthate?
	A. Rosin
	B. Photographic film
	C. Cellophane
	D. Rayon
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
	B. Pioneer species
	C. Climax community
	D. Terminal forest
8.	Which of the following is not one of the basic tissues systems of a plant?
	A. Vascular tissue
	B. Ground tissue
	C. Dermal tissue
	D. Nucleoplasm
9.	Which tool is used to measure boundaries on scale maps to determine land area?
	A. Dot Grid
	B. Planimeter
	C. Survey Instrument
	D. Stereoscope

10. Dehydration synthesis is a plant process that is responsible for the form		a plant process that is responsible for the formation of:
	A. Glucose	
	B. Starch	
	C. Cellulose	
	D. Chloroplast	
11.	What are current tree fe	lling wedges made of?
	A. Steel, plastic	
	B. Plastic, aluminum	
	C. Wood, aluminum	
	D. Steel, wood	
12.	What method of forest retrees?	egeneration relies on stump sprouts from harvested
	A. Stock Grafting Metho	d
	B. Seed Tree Method	
	C. Coppice Method	
	D. Shelterwood Method	
13.	Which of the following is organisms?	an example of a commensalism relationship between
	A. Mistletoe growing on	a tree limb
	B. Birds cache pine seed	ds for later use and a seed sprouts as a seedling
	C. Kudzu growing on a p	pine tree
	D. Spanish moss growin	g in the canopy of a tree
14.	Annually,	is the highest consumer of sawn wood.
	A. China	
	B. United States of Ame	rica
	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
	C. Toughness
	D. Tensile strength
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
	B. Timber Culture Act of 1873
	C. Twenty-Five Percent Fund Act of 1908
	D. Forest Reserve Act of 1891
18.	A tensiometer is an instrument that is used to:
	A. Measure the water content of soil
	B. Calculate the strength of a tree
	C. Measure the purity of irrigation water by testing the surface tension of water
	D. Estimate the flexibility of tree limbs
19.	The is a cell structure that contains materials capable of capturing energy from the sun as the plant produces sugars and starches.
	A. Protoplasm
	B. Cytoplasm
	C. Chloroplast
	D. Vacuole

20. Fruit structures for elm, ash, and maple are known as Samara. Samara are	
A. Dehiscent	
B. Indehiscent	
C. Aggregate	
D. Multiple	
21. Which weather condition would be of greatest concern when felling a tree?	
A. Wind	
B. Temperature	
C. Humidity	
D. None of the above	
22. A saw that makes two or more cuts at the same time is called a:	
A. Band Saw	
B. Head Rig	
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D. Gang Saw	
23. Which of the following is NOT a basic assumption applied to partial cruises to ensure the accuracy of the results.	
A. Teams of two cruisers work together, one taking measurements, one	
recording the data.	
B. The sample must be representative of the entire forest.	
C. Enough samples should be tallied to reduce the chance that errors will occur.	
D. The plot size should be large enough to tally 15-20 trees per acre.	
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
D. B
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
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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
	D. Dwight D. Eisenhower
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
	B. Canopy
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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?
A. Type of harvest operation performed
B. Size of the body of water nearby
C. Slope of the land adjacent to the body of water
D. Species of trees present in the filter strip
35. Hickory (Carya sp.) trees have compound leaves, where the leaflets are laterally attached along each side of the rachis, or stalk.
A. Palmately
B. Alternately
C. Bipinnately
D. Pinnately
36.The western red cedar (Thuja plicata) has a leaf shape.
A. Ovate
B. Elliptical
C. Lanceolate
D. Scale-like
37. Achene fruit consists of a single, hairy seed that can be easily carried by wind. Ar example of a tree species with this fruit structure is:
A. Red Maple (Acer rubrum)
B. Sycamore (Platanus sp.)
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D. Black Cherry (Prunus serotina)
38.All of the following instruments can be used to measure tree height except:
A. Biltmore/scale stick

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D. Wheeler Caliper

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39. V	Which of the following insect species is not considered a defoliator?
Д	. Douglas fir tussock moth
В	3. Gypsy moth
C	C. Cicada
С	). Spruce budworm
40.	What is the correct order?
Д	a. Class, Genus, Species, Order
В	3. Order, Family, Genus, Species
C	C. Order, Species, Genus, Class
	). Family, Genus, Species, Kingdom
41. If	you are traveling an azimuth of 215, you are headed in a direction.
Д	. Northwest
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measuring 4' x 4' x 24' cost?
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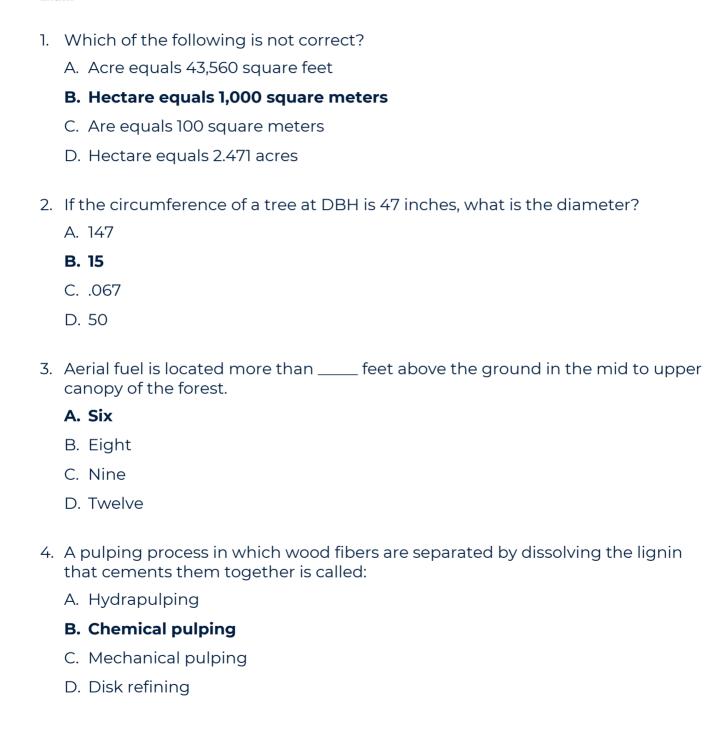
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