1.		reason modern horticultural fabrics used in landscaping are said to be better than black rethylene film is they:		
	Α	Prevent moisture from penetrating too deeply		
	В	Make a better base for rock mulch		
	С	Completely control weeds		
	*D	Allow exchange of gases between soil and air		
2.	A privacy fence should be at least feet high if the purpose is to screen the view of neighbors at ground level or others walking near the property at the same elevation.			
	Α	6		
	*B	8		
	С	4		
	D	5		
3.		ch of the following watering systems can reduce water usage by as much as 80%.		
	Α	Hand watering		
	В	Impulse sprinklers		
	С	Soaker Hose		
	*D	Drip or Trickle irrigation		
4.	Clay	v soils require:		
	Α	A shorter time for absorption of irrigation water than sandy soils		
	В	More or less time for absorption than sandy soils, depending on the pH of the clay		
	С	About the same time for absorption of irrigation water as sandy soils		
	*D	A longer time for absorption of irrigation water than sandy soils		
5.	Which would not be part of a lawn irrigation system?			
	*A	differential valve		
	В	PVC pipe		
	С	backflow valve		
	D	solenoid valve		
6.	Whi	ch of the following is microscopic?		
	* A	Nematodes		
	В	Thrips		
	С	aphids		
	D	Spider mites		
7.	A pr	re-emergence herbicide is applied		
	Α	to broadleaf weeds only		
	В	after the weeds have germinated and emerged from the soil		
	С	to grasses only		
	*D	before the weed seeds germinate		
8.	Whe	en using heat to sterilize/pasteurize soil, the soil should be heated to:		
	*A	180°F for 30 minutes		
	В	280°F for 1 hour		
	С	200°F for 1 hour		
	D	100°F for 1 hour		

- 9. A plant pathologist studies plant:
 - A Morphology
 - *B Diseases
 - **C** Physiology
 - **D** Insects
- 10. Scientific names generally consist of two words, the first being the genus and the second being the:
 - A Order
 - **B** Cultivar
 - **C** Family
 - *D Specific epitaph
- 11. Though not recommended, if 2-cycle engine fuel is actually used in a 4-cycle engine
 - *A The engine will likely smoke a lot, but it will run
 - B The engine will not start or will be hard to start
 - **C** The engine will be much louder than normal
 - **D** There is no problem, the engine will run just fine
- 12. A shade loving border plant is:
 - **A** Chrysanthemum
 - **B** Zinnia
 - *C Impatiens
 - D Marigold
- 13. The optimum germination temperature for most bedding plant seeds is:
 - A 50 to 55°F
 - **B** 60 to 65°F
 - *C 75 to 85°F
 - **D** 65 to 75°F
- 14. Which of the following is true about lady bug beetles? They:
 - *A Eat aphids
 - B Often feed on vegetable plants
 - **C** Are bright green and blend-in with the foliage
 - D Sometimes sting gardeners
- 15. An important step in properly composting landscape refuse is to:
 - A Treat each layer with pesticide to control insects and weeds
 - B Make only small piles to keep the material cool
 - *C Thoroughly moisten each layer of material
 - **D** Exclude as much air as possible from the compost pile
- 16. When Alan finished sharpening his rotary mower blade, he noticed that his mower vibrated and shook so bad that he could hardly control it. What was wrong?
 - A The spark plug was loose
 - **B** The made was made from inferior metal
 - *C The blade was out of balance
 - **D** The blade has been overheated, affecting its temperament

17.	Water availability, temperature extremes, and for the landscape.		should be considered when selecting trees		
	* A	Soil type			
	В	Buildings present			
	С	Topography			
	D	Slope			
18.	When installing a landscape, which step (from the following list) should be completed FIRST:				
	Α	Build retaining walls and garden walkways			
	В	Plant the trees and shrubs			
	С	Add amendments to the soil			
	*D	Install the drainage system			
19.	Whi	ch of the following groups contains only deciduo	us plants?		
	Α	River Birch, Southern Magnolia, Ilex vomitoria			
	В	Live Oak, Chinese Tallow, Sophora secundiflora			
	*C	Cedar Elm, Carya illinoinensis, Red Oak			
	D	Taxus cuspidata, Sycamore, Bradford pear			
20.	Soil around the foundation of a house is often more alkaline than surrounding soil due to which of the following?				
	Α	chemicals applied to prevent termites			
	В	leaching from the home's paint			
	*C	leaching from the masonry mortar on the home	and the masonry debris from construction		
	D	decaying wood scraps that were buried around the	foundation during construction		
21.	Lirio	ope and Ajuga are generally classified as:			
	Α	Small flowering shrubs			
	*B	Groundcovers			
	С	Small evergreen shrubs			
	D	Semi-evergreen shrubs			
22.	A la	rge perennial that provides a general effect of ma	ss and grows in excess of five feet is:		
	Α	Dianthus			
	*B	Pampas grass			
	С	Primrose			
	D	Yarrow			
23.	Whi	ch of the following describes plants that lose the	r leaves during the winter?		
	Α	Herbaceous			
	В	Evergreen			
	С	Coniferous			
	*D	Deciduous			
24.	The	The viability of a group of seeds is measured by:			
	Α	Permeability of the seeds			
	*B	The germination percentage			
	С	Maturity of the seeds			
	D	The number of seeds per pound			

- 25. An "x" in the botanical name of a plant means the plant:
 - A Has been grafted
 - *B Is a true hybrid
 - **C** Comes true to type from only seed propagation
 - **D** Comes true to type from seed and vegetative propagation
- 26. The use of plant materials and landscaping techniques to conserve soil moisture and to reduce water usage is:
 - A Waterscaping
 - **B** Natural landscaping
 - *C Xeriscaping
 - D Bogscaping
- 27. Soil texture refers to:
 - A The ratio of sand to clay in the soil
 - **B** The amount of humus in the soil
 - *C The size of the soil particles
 - **D** The arrangement of soil particles
- 28. Plants usually do not grow well in poorly drained soils because:
 - A Plant roots become engorged with water in poorly drained soils
 - *B Oxygen content is low in poorly drained soils
 - C The organic matter content of poorly drained soils is too high
 - **D** Poorly drained soils warm too quickly in spring
- 29. Underground stems with scale-like fleshy leaves (leek and onion) are called:
 - A Roots
 - **B** Stolons
 - C Tubers
 - *D Bulbs
- 30. Light energy, carbon dioxide, and water enter into the process of photosynthesis, through which:
 - A Respiration results
 - B Chlorophyll is formed
 - C Amino acids are formed
 - *D Carbohydrates are formed
- 31. Which of the following definitions best describes "auxin?"
 - A naturally occurring plant chemical produced to deter disease organisms
 - **B** The capital of Texas and the home of the USDA
 - *C A naturally occurring plant hormone that promotes plant growth
 - **D** A chemical used as a plant growth retardant
- 32. Which of the following groups contains only evergreen plants?
 - *A American arborvitae, Camellia, Japanese Yew
 - B Azalea, Ginkgo, Chinese Holly
 - **C** Bald cypress, Purpleleaf plum, Pecan
 - **D** Sweet gum, Crape myrtle, Sycamore

33.	If a	two-cycle engine on a weed trimmer uses a 24:1 fuel ratio, you should mix:
	Α	24 parts oil to 1 part gasoline
	*B	24 parts gasoline to 1 part oil
	С	24 parts gasoline to 1 part engine cleaner
	D	Equal amounts of gasoline and oil
34.	Plar	nts sold in the landscape trade are sold by name.
	* A	Botanical
	В	Order and family
	С	Order and genus
	D	Family
35.		. Thompson loves spring flowering bulbs. Which of the following would you suggest for Mrs. mpson to plant?
	Α	Gardenia jasminoides
	В	Coleus x hybridus
	*C	Hyacinthus orientalis cv.
	D	Lonicera japonica
36.		process in which water, grass seed, fertilizer, cellulose fiber and a glue type material are mixed ether and sprayed onto the soil to establish turf is called
	* A	hydroseeding
	В	top dressing
	С	Pressure spray
	D	Seed Injection
37.	Whi	ch of the following best describes seed scarification?
	Α	placing seed capsules in the sun for natural drying
	*B	removing some of the seed coat with a file, sandpaper, or acid solution
	С	using a dibble to spot off newly planted seedlings
	D	planting seeds in a nursery flat to a depth of two times the seed's diameter
38.	A "s	spreader-sticker" added to a spray solution causes the chemical to:
	* A	Better cover the plant surface and resist being washed off by rain and irrigation
	В	Become more diluted in the sprayer
	С	Penetrate the cuticle to the leaf, allowing more effective sticking power
	D	Stick to the diseased areas of the plant and run-off the areas it is not needed
39.	Mos	st landscape plants like the soil pH:
	* A	Slightly acidic
	В	Strongly acidic
	С	Slightly alkaline
	D	Strongly alkaline
40.	Whe	en planting a bare-rooted tree, the tree should be planted:
	Α	at 6 inches above the original soil level
	*B	Directly even with the original soil level
	С	At 6 inches below the original soil level
	D	At 2 inches above the original soil level

41.	Thre	ee types of ground patterns used in landscape design are		
	Α	Curved-line, arc-and-tangent, squiggle-line		
	В	Curved-line, straight-line, squiggle-line		
	*C	Curved-line, arc-and-tangent, straight-line		
	D	Straight-line, squiggle-line, arc-and-tangent		
42.	A is	a woody perennial that has more than one main trunk.		
	Α	Flower		
	*B	Shrub		
	С	Weed		
	D	Tree		
43.		ditional garden centers, in many cases, have been able to compete with chain department stores by viding?		
	* A	Better service		
	В	Better refund policies		
	С	Lower prices		
	D	Cleaner stores		
44.	Wat	er to help reduce disease in nursery crops		
	*A	Early in the morning		
	В	At night		
	С	With overhead sprinklers		
	D	Late in the afternoon		
45.	Which tree has the finest textured foliage?			
	*A	Mesquite		
	В	Sweet gum		
	С	Sycamore		
	D	Southern magnolia		
46.	An	example of a creeping or prostrate coniferous evergreen is:		
	Α	Abelia grandiflora		
	*B	Juniperus horizontalis		
	С	Prunus caroliniana		
	D	Lobularia maritima		
47.	Fun	ctional roles of plants in the landscape do not include:		
	Α	Enclosing		
	В	Screening		
	С	Developing the structural framework of the design		
	*D	Greening up		
48.		ch of the following can be said about applying an herbicide to a lawn in granular form rather than as quid spray?		
	*A	There is little or no drift from the granular form		
	В	The liquid form is much more expensive		
	С	The amount of active ingredients needed is greatly reduced with the granular form		
	D	Most broadleaf weeds have developed resistance to liquid herbicide sprays		

- 49. Shrubs planted in small groups in the landscape are generally placed in:
 A Groups of 4
 *B Odd numbered groups (i.e. 3,5,7)
 C Even numbered groups (2, 4, 6)
 - **D** Groups of 2
- 50. Which one of the following plant hardiness zones is colder than Zone 6?
 - A Zone 7
 - B Zone 10
 - *C Zone 3
 - D Zone 8
- 51. The following plant grows from a tuber:
 - **A** Impatiens
 - **B** Japanese honeysuckle
 - *C Elephant Ear
 - **D** Celosia
- 52. The term is used in horticulture to define plant injury sometimes caused by pesticides:
 - **A** Emulsification
 - **B** Expectoration
 - **C** Eutrophication
 - *D Phytotoxicity
- 53. Trees are fertilized with granular fertilizer by spreading it within
 - *A The drip line
 - **B** A thirty foot radius of the trunk
 - **C** A four foot radius of the trunk
 - **D** The drip line and at least ten feet beyond the drip line
- 54. The four life cycle stages of beetles such as the Japanese beetle are:
 - A Grub, pupae, juvenile, adult
 - **B** Moth, egg, grub, adult
 - **C** Egg, nymph, pupae, adult
 - *D Egg, grub, pupae, adult
- 55. Large nursery pots are measured by the
 - *A gallon, sizes are strictly regulated
 - **B** height, and sizes are strictly regulated
 - **C** inch, and sizes are strictly regulated
 - **D** gallon, the exact size varies by the manufacturer
- 56. Plants that use less water and are tolerant of dry landscape sites are called:
 - *A Xerophytes
 - **B** Epiphytes
 - C Dryophytes
 - D Monoecious

57.		nursery landscape trade and related industries are sometimes referred to as the		
	*A	Green Industry		
	В	United environmental industry		
	С	Outdoor consortium		
	D	Federated nursery industries		
58.	Joe	's Landscaping pays rent, legal fees, utilities and insurance, all of which are classified as		
	Α	variable costs		
	В	contingency costs		
	*C	overhead costs		
	D	marginal costs		
59.	Dan	nping-off is caused by:		
	*A	Fungi		
	В	Viruses		
	С	Bacteria		
	D	Nematodes		
60.	Low	vering the soil grade around a tree removes many of the tree's roots.		
	A	aquatic		
	*B	Feeder		
	C	Aerial		
	D	Tap		
61.	A plant that remains vegetative during its first season of growth and flowers in the second season is a			
	(n):	Dues a suita		
	A	Propagule		
	В	Perennial		
	*C	Biennial		
	D	Annual		
62.	A pe	encil lead that is soft, prints well, erases easily, and tends to smear easily is		
	Α	2H		
	В	F		
	С	9H		
	*D	3B		
63.	land	ndscaper in New York calls a wholesaler/grower in Tennessee to inquire about plant material for a Iscape job. One of the trees he asks about is bald cypress. He wants to know if it is hardy in middle y York. The grower says, "Let me see, that is Zone 4"They are talking about the:		
	Α	Critical Zone Hardiness Index		
	В	UPS Zone Index for safe shipping of plants		
	*C	USDA Plant Hardiness Zones		
	D	AAN Hardiness Zone Plan		
64.	Larg	ger nursery pots are measured by the:		
	*A	Gallon		
	В	Ounce		
	С	Inch		
	D	Height		
		-		

65.	Plar	nts need essential elements for proper growth and development.		
	Α	8		
	*B	16		
	С	32		
	D	3		
66.	Fair	y ring is caused by:		
	Α	Pollen		
	*B	Fungi		
	С	Nematodes		
	D	Grubs		
67.	Plar	nts that evolve and grow naturally in an area are termed plants		
	Α	Specimen		
	В	Accent		
	*C	Native		
	D	Exotic		
68.	Failure to firm down the soil around a newly planted tree or shrub can result in air pockets. This may cause:			
	Α	Over-watering problems		
	*B	Drying of plant roots		
	C	Disease		
	D	Soil heaving in winter		
69.	If a container-grown nursery crop has been over watered for a long period, a grower might expect to find the roots in the following condition:			
	Α	The roots growing through the drain holes in the bottom of the container		
	В	The roots dead or absent at the top of the container but healthier in the bottom of the container		
	С	The roots may be extra thick and bright white in color		
	*D	The roots dead or absent at the bottom of the container but healthier in the top portion of the container		
70.	Foo	d produced in the leaves moves to other parts of a plant through the .		
	Α	Xylem		
	В	Veins		
	*C	Phloem		
	D	Arteries		
71.	Мас	nesium, calcium, and sulfur:		
	Α	Can be found in incomplete fertilizers		
	*B	Are essential elements needed for plant processes		
	С	Are only needed by some plants		
	D	Are micro-elements		
72.	Whi	ch is most likely not a benefit from using mulch?		
	Α	Reduced water loss from the soil		
	В	Reduced disease		
	С	Moderated soil temperatures		
	*D	Reduced insects		

73. What is one reason the container grown sector of nursery crop production has increased in recent years?

- A the plants develop circling root systems
- *B factors affecting plant growth can be maintained at optimum levels
- C container plants require less care
- D soilless media is beneficial to plant growth

74. When planting B&B plants:

- A The burlap should be pulled up and tied securely to the trunk for protection
- B The burlap should be allowed to dry completely before planting
- C The burlap should be completely removed from the ball
- *D The tie string should be cut from the trunk of the plant

75. Which type of insecticide would be most effective against sucking-type insects?

- A Aerosol
- *B Systemic
- C Dust
- D Contact

76. When should soil NOT be tilled?

- **A** When it is dry
- **B** During spring warm-up
- *C When it is wet
- **D** During late fall

77. What type of watering conditions would cause the clustering of turf grass roots at the top of the soil? Assume that there has been little or no rainfall.

- A infrequent soaking
- **B** applied once a week
- *C frequent, light watering
- D rarely watering

78. Plant diseases caused by rain splashed microorganisms from the ground can be reduced by

- A using only clean topsoil as backfill
- *B applying mulch around and underneath plants
- **C** removing all mulch from around and underneath the plant
- **D** removing all mulch outside the dripline

79. The turfgrass least tolerant of shade is:

- A St. Augustine
- **B** Fescue
- C Zoysia
- *D Bermudagrass

80. Natural soil is arranged in layers referred to as

- A soil texture
- B sand, silt and clay
- *C soil horizons
- **D** soil rings

81.		ch of the following is a group of small-growing trees?
	*A	Crape myrtle, Eastern redbud, Japanese black pine
	В	Pecan, Sweetgum, Ginkgo
	С	Sweetgum, Sycamore, Southern magnolia
	D	Red oak, Bald cypress, Live oak
82.		terms triploid, diploid and haploid refer to
	*A	number of chromosomes
	В	formation of leaves
	С	number of flowers per stem
	D	number of bud breaks expected after pruning
83.	Site	features to consider when conducting a site survey include:
	Α	Natural features, existing vegetation, soil conditions, and client analysis
	В	Topography, client analysis, natural features, and climate
	С	Natural features, climate, existing vegetation, and client analysis
	*D	Topography, soil conditions, natural features, and existing vegetation
84.	The	soil pH level primarily controls:
	Α	Activity of soil-borne diseases
	В	Moisture absorption by roots
	С	Soil temperature
	*D	Availability of essential plant nutrients
85.	Fert	tilizers should be added to soil
	Α	according to the package instructions and only in the water
	*B	based on soil test results
	С	at 1/2 the rate of fertilizer
	D	every year
86.		en pruning cuts are made on woody trees, one should not cut into or behind the This area
	Α	internode
	В	interstitial
	*C	collar
	D	axil
87.	All	other things being equal, which diameter of pipe or combination of pipes will carry the most water?
	Α	five 1/2" pipes
	*B	one 2" pipe
	С	three 1" pipes
	D	four 3/4" pipes
88.	Flov	wering plants that are tetraploid have reduced maintenance costs because of the reduced need to
	Α	water
	*B	dead head
	С	fertilize
	D	spray for insects

89.	PVC	pipe for irrigation is joined by connectors/couplings that are to the pipe.
	Α	Soldered
	*B	Solvent Welded
	С	Clamped
	D	Wired
90.	One	of the best ways to speed up the rooting process of cuttings is to:
	Α	Keep the soil cool and the foliage warm
	В	Always take cuttings after midday
	С	Harden them off by laying them out to dry a few days before sticking
	*D	Provide bottom heat
91.	Whi	ch of the following is the best definition of an F1 hybrid?
	Α	the first cross between the offspring of A, B, C, D, and E generations
	*B	the first generation of seedlings from genetically different parents
	С	a plant that is genetically inferior to all other cultivars
	D	a plant that is genetically superior to all other cultivars
92.	Whi	ch of the following is a group of terms related to landscape design principles?
	Α	Hogarth, symmetrical, curvature
	В	Stratify, random, curvature
	С	Thresh, rounding, complexity
	*D	Focalization, proportion, simplicity
93.	A 50	pound bag of 5-10-15 fertilizer contains pounds of nitrogen.
	Α	5
	В	10
	С	15
	*D	2.5
94.		ch of the following serves as a food reservoir for the developing embryo within the seed of a nocot?
	Α	Plumule
	В	Radical
	С	Testa
	*D	Endosperm
95.	Of tl	he grasses listed below, which is most commonly used on golf greens?
	* A	Bentgrass
	В	Fescue
	С	Mondo grass
	D	St. Augustine grass
96.	Who	o is responsible for establishing the binomial system for naming plants
	Α	Aristotle
	*B	Linnaeus
	С	Bernuli
	D	Weinberg

97.	In most plants, a hormone called auxin is produced by the terminal bud. It moves downward into the shoot and inhibits the growth and development of lateral buds. This is called:				
	Α	Lateral dominance			
	В	The apex auxin complex			
	*C	Apical dominance			
	D	Terminal bud inhibition			
98.	The	basic underlying principle of using a mist propagation system is that it			
	Α	Cools the propagation medium to promote root formation and development			
	В	Keeps the propagation medium uniformly moist and supplies moisture to the base of the cuttings			
	С	Keeps the plant material cool			
	*D	Increases humidity around the cutting and reduces transpiration			
99.	Plan	ts showing symptoms of nitrogen deficiency will show which of the following symptoms?			
	Α	Tiny brown spots between the leaf veins			
	*B	Yellowing of the entire leaf			
	С	Abnormally long internodes			
	D	Purple veins in the leaves			
100.	A la	A landscaper should call 811 before beginning certain landscape projects to:			
	Α	obtain a permit before digging			
	В	request a check of proper zoning			
	*C	request assistance in locating underground utilities			
	D	submit their environmental impact license number and request EPA approval.			
101.	Some plants can release chemicals into the soil that inhibit or stop growth of plants in the surrounding soil. The effect is called				
	Α	Chemical Synpathy			
	*B	Allelopathy			
	С	Reduction Oxidation			
	D	Hormonal Redaction			
102.	Two basic types of pruning are heading-back and thinning-out. Which of the following is true about these pruning methods?				
	Α	Heading cuts usually remove entire branches and leave no buds.			
	В	Thinning cuts leave behind a good portion of the stem and many axillary buds.			
	С	Heading cuts remove a portion of the stem and only terminal buds are left.			
	*D	Thinning cuts are made close to a main branch or ground and few axillary buds are left.			
103.	Whi	ch of the following is not a rule-of-thumb traditionally followed by landscapers?			
	Α	Shrubs should be no closer than 2.5-3 feet from the foundation			
	В	Home walkways should be wide enough for 2 people to walk side by side			
	*C	Shrubs should be planted 6-12" from the foundation			
	D	Landscape plants should be dry at night, if possible.			
104.	Recommended service intervals for jobs such as changing the oil in motorized landscape equipment, is usually measured in of operations.				
	Α	months			
	В	miles			
	С	days			
	*D	hours			

105. Landscape plans generally include all of the following except:

- A A north orientation marker
- **B** The mature width of the plant
- **C** The number of each type of plant to be planted
- *D The mature height of the plant

106. A plant that produces flowers that have either stamens or pistils, but not both on the same plant is called:

- **A** Staminate
- **B** Angiosperm
- *C Dioecious
- **D** Monoecious

107. Which is NOT a type of leaf arrangement?

- **A** opposite
- **B** alternate
- *C pyramidal
- **D** whorled

108. When selecting ginkgo trees for the home landscape, you should choose:

- A Male and female trees
- *B Male trees only
- C Mature female trees only
- **D** Female trees only

109. The main objective of root pruning is to

- A increase water absorption
- **B** fit the plant in a hole
- *C develop a compact and fibrous root system
- D encourage normal stem growth

110. A major advantage for producing nursery stock in containers is that it:

- A Requires less water and fertilization than field-grown crops
- B Requires less labor than field-grown crops
- *C Allows for transplanting any time during the growing season
- **D** Is less expensive than growing in nursery fields

111. The landscape design principle of interconnection:

- A Is the human perception of space and form related to human dimension
- **B** Is the overall organization and structure of a design
- *C Occurs when visual components are physically linked together
- **D** Is a visual break in sequence

112. The best type of sand to use in soil mixtures for container grown plants is:

- A Beach
- **B** Fine-textured
- *C Coarse textured
- **D** White, fine-textured

113.		t is the function of the axillary bud on the stem?		
	Α	To provide food storage		
	В	To help heal wounds of the plant		
	*C	To produce a new leaf or stem		
	D	To aid in seed dispersal		
114.		ncrease the bushiness of a flowering plant while the plant is young, one should:		
	*A	Pinch the stem tips of the plant		
	В	Increase the amount of water the plant receives		
	С	Apply a growth retardant		
	D	Increase the nitrogen in the soil surrounding the plant		
115.	Plan	ts that have been clipped or pruned into two-dimensional forms are:		
	Α	Dynamic		
	В	Balanced		
	*C	Espalier		
	D	Topiary		
116.	The Oak Leaf Nursery advertised a group of trees with a trunk caliper of 3 inches. In the trade, it is assumed that this measurement was taken:			
	Α	At breast height (4½ feet above the rootball)		
	*B	6 inches above ground level		
	С	18 inches above ground level		
	D	At the base of the rootball		
117.	A laı	ndscaper says that the soil at a home development site will not perk. What does that mean?		
	Α	It will not crack in very cold weather		
	*B	Water does not pass through the soil at an acceptable rate		
	С	The soil does not have proper form to resist slipping and cracking		
	D	The soil particles do not form proper aggregates		
118.	When propagating woody cuttings, a growth promoting substance is sometimes applied to the base of the cuttings in order to			
	Α	conserve moisture in the cuttings		
	В	speed the healing process		
	С	speed the development of roots on the cutting		
	*D	all of these		
119.	Som	e vines use to support themselves as they climb.		
	Α	Stems		
	В	Aquatic roots		
	*C	Tendrils		
	D	Tap roots		
120.	The	best definition of a surfactant is a:		
	Α	Material to protect leaf surfaces from pesticides by creating a waxy seal over the leaf		
	В	Type of pesticide formulation with an oily consistency for protecting high pressure spray nozzles from wear		
	*C	Material added to a liquid spray solution to reduce surface tension between the liquid and leaf surface		
	D	Type of soap used to wash off pesticide residue by increasing surface tension between the leaf and residue		

121.	Whic	ch of the following turf areas is mowed to the lowest height?		
	Α	Commercial lawn		
	*B	Golf green		
	С	Home lawn		
	D	Golf fairway		
122.	One	characteristic of Roundup (glyphosate) that customers sometimes object to is		
	Α	That it is extremely toxic to pets		
	*B	That it takes several days to kill weeds		
	С	Its long lasting effects		
	D	That it temporarily stains the soil surface orange		
123.	A color scheme in a garden that produces a carnival-like effect is referred to as being:			
	Α	Complementary		
	В	Analogous		
	*C	Polychromatic		
	D	Monochromatic		
124.	Wisteria, clematis, and Japanese honeysuckle are examples of:			
	* A	Vines		
	В	Groundcovers		
	С	Trees		
	D	Shrubs		
125.	Which of the following is not an important environmental requirement for germination to occur?			
	Α	Moisture		
	*B	Carbon dioxide		
	С	Proper temperature		
	D	Oxygen		
126.	In nu	ursery production, a "liner" refers to		
	Α	A plastic mulch covering		
	В	A plastic bag		
	*C	A rooted cutting or small seedling		
	D	A type of garden tool		
127.	Which of the following would be the best response if a client calls you in October and wants to know			
		t to do about a 20-foot Japanese pine that has turned completely brown?		
	A	Wait until spring and see if it sprouts green needles again.		
	B *C	Do nothing. Pine trees shed naturally in the fall.		
	D	Cut it down. It is definitely dead.		
	U	Do nothing. The Japanese pine is just going dormant.		
128.	The recommended minimum width for a residential walkway in the public area of the landscape is feet.			
	*A	3.5 7.5		
	В	7.5		
	C D	5 6.5		
	ט	U.J		

129.	A fir	nancial plan for the future is called
	*A	budget
	В	net worth statement
	С	cash analysis
	D	deed
130.	The	three major divisions of a soil profile are:
	*A	topsoil, subsoil, and parent material
	В	mulch, clay, and parent material
	С	topsoil, clay layer, and rock layer
	D	topsoil, subsoil, and bedrock
131.	Prof	essional-grade string trimmers are usually powered by:
	Α	Electricity
	В	Diesel fuel
	*C	A 2-cycle engine
	D	A 4-cycle engine
132.	Tree	e roots that are responsible for most nutrient uptake are found
	Α	outside the dripline
	В	within the upper 8" of topsoil
	*C	in the subsoil
	D	between 18" and 28" in depth
133.	The	classifications of soil particles based on size are sand, silt, and:
	Α	Loam
	В	Gravel
	С	Shale
	*D	Clay
134.	In p	lants, is the process of converting stored energy into energy for plant growth:
	Α	Photosynthesis
	В	Transpiration
	*C	Respiration
	D	Pollination
135.	Whi	ch fuel is used in chainsaws, string trimmers, and other 2-cycle engines?
	Α	Fuel oil
	*B	Gasoline and oil mix
	С	Gasoline
	D	Diesel
136.	esp	road in front of Steve's house has become traffic congested in recent years. The view, and ecially the noise, bothers the family. When Steve discussed this problem with a landscaper, the Iscaper mentioned berms. What was the landscaper talking about?

His recent fishing trip where he caught several berms

Trees planted in multiple rows between the house and road

A special type of wall to block the noise and view of traffic on the road

Tall mounds of soil placed between the house and road to block the noise and view

Α

В

*C

D

137.	Whe	en taking a soil sample, be sure to take cores at least inches deep.		
	* A	6		
	В	14		
	С	3		
	D	2		
138.	Whi	Which of the following grasses has the longest winter dormancy period?		
	Α	Bluegrass		
	В	Aphids		
	С	Scale		
	*D	Zoysia		
139.	Whi	Which of the following is a disadvantage of using a time clock to control an irrigation system?		
	*A	The plants are watered at set times, whether they need watering or not.		
	В	Time clocks are very expensive		
	С	Time clocks are difficult to set.		
	D	When there is a power outage, the irrigation system runs continuously.		
140.	The	most commonly used lawn grasses used in the U.S. can be divided into or types.		
	Α	Perennials or annuals		
	В	grasses or broadleaved		
	*C	warm season or cool season		
	D	spring or summer		
141.	The best time to prune azaleas is			
	*A	just after they bloom		
	В	in spring before leaves appear		
	С	when they are dormant		
	D	just before they bloom		
142.	Hard	diness refers to:		
	Α	The hardness of the soil in which a plant is being planted		
	В	The strength of the wood of a tree		
	С	The ability of a plant to grow indoors		
	*D	The quality of being strong and being able to survive in a certain region		
143.	Wha	at part of a lawn mower prevents dust from entering the carburetor?		
	*A	Air cleaner		
	В	Exhaust chute		
	С	Hydraulic system		
	D	Crankcase		
144.	Whe	en mowing Bermuda grass lawns, what is the general range for the proper height of cut?		
	Α	4"		
	*B	1.5 to 2.5"		
	С	5"		
	D	3 to 4"		

145.	When trying to save trees on a construction site, cut and fill under the drip line of the trees should be limited to a depth of inches.		
	Α	18	
	*B	0 (Never cut or fill under the drip line of trees.)	
	С	6	
	D	8	
146.		loss of water in the form of vapor from the surface of plant leaves is referred to as:	
	Α	Oxidation	
	*B	Transpiration	
	С	Respiration	
	D	Condensation	
147.		ndscape designer uses many in developing the preliminary design for a project.	
	A	Problem statements	
	В	Perfect plans	
	*C	Bubble diagrams	
	D	Site surveys	
148.	Hard	lening-off is a term used in the nursery/landscape industry to mean:	
	Α	Allowing herbaceous plants to become woody	
	*B	Acclimatizing tender plants to harsher, outdoor conditions	
	С	Coating plants with a protective plastic-type spray prior to transplanting	
	D	Acclimatizing landscape plants to coldframe conditions	
149.	A lawn mower with blades parallel to the surface of the ground is called a(n):		
	Α	De-thatching mower	
	В	Reel mower	
	*C	Rotary mower	
	D	Electric mower	
150.	Soft	pencil leads are indicated by the letter	
	* A	В	
	В	F	
	С	H1	
	D	Н	
151.	Wha	t information is not contained in the legend on a final landscape plan?	
	Α	Plant names	
	В	Specific notes concerning installation	
	С	Plant quantities	
	*D	Designer's name	
152.	The	approximate range of average annual minimum temperature for Plant Hardiness Zone 5 is:	
	Α	20 to 30 degrees	
	*B	10 to 20 degrees	
	С	−20 to −10 degrees	
	D	-30 to -20 degrees	

153.	A po	ost-emergent herbicide is applied		
	Α	before the weed seeds germinate		
	В	to broadleaf weeds only		
	С	just as the weed seeds are germinating		
	*D	after the weeds have germinated and emerged from the soil		
154.	Wha	t is one reason midday watering of lawns in the summer is usually not recommended?		
	Α	Fast evaporation of water from plant leaves may cause disease		
	В	Homeowners pay a premium for water if they irrigate between the hours of 8 a.m. and 5 p.m.		
	*C	Much of the water is lost through evaporation		
	D	Plant roots do not readily absorb water during the daylight hours		
155.	An e	example of an organic material is		
	Α	Pea gravel		
	В	Perlite		
	*C	Leaf mold		
	D	Vermiculite		
156.		lar to the textural appearance of plants, can be used to create spatial illusions in a ennial garden.		
	Α	Staking		
	В	Plant growth rate		
	*C	Color		
	D	Shape		
157.	Examples of cool season grasses include perennial ryegrass, bentgrass, and:			
	Α	Zoysia		
	В	St. Augustine		
	С	Bermudagrass		
	*D	Fescue		
158.	Whi	ch plant is a vine?		
	Α	Ficus benjamina		
	*B	Lonicera japonica		
	С	llex cornuta		
	D	Pinus thunbergiana		
159.		ch of the following propagation methods usually produces the greatest amount of genetic variation e offspring?		
	Α	division		
	В	grafting		
	С	tissue culture		
	*D	seeding		
160.	A is	a landscape designer's tool for drawing circles on a landscape plan.		
	Α	Protractor		
	В	Scale		
	*C	Circle template		
	D	T-square		

161. The synthetic growth regulator, Indole-3-butyric Acid (IBA), is used in the nursery trade as a

- *A rooting hormone
- B insect control
- C surfactant
- D foliage preservative

162. Which is the best definition of the term understory, as used in landscaping?

- A the bottom level of a two story house
- *B smaller plants that grow under the canopy of a tree
- **C** shrubs and other plants planted under the eaves of a house
- **D** the basement of a two story house

163. Callus is a term usually referring to:

- A The tissue on the collar of a limb
- **B** A disease of plant leaves and limbs
- *C The first tissue to develop on a cutting just before the roots form
- **D** Deformed growth on plant limbs

164. The most common synthetic root-promoting chemicals used in rooting hormones are:

- A IBA and AAN
- B ISO and OSB
- *C IBA and NAA
- D CCA and ACD

165. In the plant name llex x merserveae 'Blue Princess':

- A The genus is Ilex, the "x" means that it is patented, the species is meserveae, and Blue Princess is the variety.
- *B The genus is Ilex, the "x" means it is a hybrid, the species is meserveae, and the cultivar is Blue Princess.
- C The family is Ilex, the "x" means it is a tetraploid, the genus is meserveae, and the species is Blue Princess.
- **D** The species is Blue Princess, the "x" means that its origin is unknown, the variety is meserveae, and the genus is Ilex.

166. Which of the following statements is NOT true?

- *A Frost is most likely to form when there is low, heavy cloud cover and a slight cool breeze.
- B Frost is more likely to form in low lying areas or pockets, when temperatures are at the freezing point
- C The heat given off from water sprinkled over plants may prevent frost from forming if the temperature is only slightly below freezing.
- **D** Frost may form if the sky is clear, the air is calm and the night temperature is only slightly below freezing?

167. Which insect eats out trails between the leaf surfaces?

- A Spider mites
- **B** Aphids
- *C Leaf miners
- **D** Thrips

168.	Onc	e they are beneath the bark surface, are difficult to control.		
	Α	Mealybugs		
	В	Aphids		
	*C	Borers		
	D	Thrips		
169.	When installing a landscape, which step (from the following list) should be completed LAST?			
	Α	Build retaining walls and garden walkways		
	*B	Plant the trees and shrubs		
	С	Install the drainage system		
	D	Add amendments to the soil		
170.	The	re are five common methods of night lighting for landscapes. They are:		
	Α	Cross, down, up, reverse, and slope lighting		
	В	Bright, dim, subdued, marginal, and transparent lighting		
	*C	Walk, silhouette, shadow, up, and down lighting		
	D	Moderate, bright, dim, regular, and flash lighting		
171.	The analysis of fertilizer is guaranteed by the manufacturer and regulated by the:			
	Α	IRS		
	В	American Nursery and Landscape Association		
	*C	USDA		
	D	Extension Service		
172.	Whi	ch of the following is a major reason for mulching landscape plants?		
	Α	Attracts earthworms		
	В	Supplies nutrients		
	С	Increases anti-aerobic activity in the soil		
	*D	Moderates soil temperature and conserves soil moisture		
173.	The factor used as an indication of grade and general vigor of Hybrid Tea Rose plants sold at retail is the number of healthy			
	Α	terminal buds		
	В	leaves below the petioles		
	*C	canes		
	D	lateral roots		
174.	Whi	ch signal word for pesticide labels indicates the lowest level of toxicity?		
	Α	Warning		
	В	Danger		
	*C	Caution		

A B

*C

D

175.

Careful

Water Stress

Chlorine damage

Iron deficiency

Nitrogen excess

Leaves that show interveinal chlorosis probably suffer from:

176.	Ben *A	efits of landscaping include which of the following? landscaping does all of these		
	В	cooling of air and providing oxygen		
	С	filtering of water and prevention of erosion		
	D	absorbing pollution from the air and reducing noise levels		
177.	_	ch of the following statements is true about applying dry fertilizer to a lawn?		
	A *B	Dry fertilizer should only be applied late in the day		
	С	It is a good practice to water-in dry fertilizer applied to a lawn Apply dry fertilizer just after a rain		
	D	Apply dry fertilizer just after a rain Apply dry fertilizer in the early morning when the grass is wet from the dew		
178.	An area of the landscape that includes space for such items as a clothes line and garbage cans is the			
	area A	:: Recreational		
	В	Private		
	C	Public		
	*D	Service		
179.	War	m season turf grasses include which of the following?		
	Α	ryegrass		
	В	fescue		
	*C	bermudagrass		
	D	bluegrass		
180.	crop	Which of the following is important in producing a uniform size and quality container grown nursery crop?		
	Α	Leave a uniform water space at the top of each crop		
	В	Use the same soil mix for the entire crop		
	C	Tamp the soil to the same degree of firmness in each pot		
	*D	all of these		
181.	Divi	de and separate fall blooming perennials:		
	*A	In early spring		
	В	Mid summer		
	С	In late spring		
	D	Early fall		
182.	For	maximum effectiveness, mulches should be applied about deep.		
	Α	10-12 inches		
	*B	3-4 inches		
	С	1 inch		
	D	8-10 inches		
183.	Cutt	tings in the rooting bench should be:		
	Α	Kept dry during the day and moist at night		
	*B	Kept constantly moist		
	С	Fertilized regularly		
	D	Scarified before watering		

184.		spots along the cutting edge of a rotary mower blade after sharpening indicate		
	*A	The blade was overheated during sharpening		
	В	There are dull spots remaining on the blade		
	С	The metal was distorted while sharpening		
	D	The blade was made of inferior metal		
185.	Low	-growing landscape plants should:		
	Α	Not be used in the landscape		
	*B	Be placed in front of intermediate growing plants		
	С	Be planted under large trees		
	D	Be placed behind intermediate growing plants		
186.		statement on a bag of fertilizer that lists the percentages of nitrogen, phosphorous, and potassium tained in the fertilizer is called a(n) analysis.		
	A	Chelated-Release		
	В	Micro-element		
	C	Essential element		
	*D	Fertilizer		
187.	Δm	ethod of fertilizer application is		
.07.	*A	Side dressing		
	В	Leaching		
	C	Sterilization		
	D	Pasteurizing		
188.	Which of the following is the proper recommendation for pruning trees at planting:			
	*A	Pruning should be limited to shaping the plant by removing dead or damaged limbs		
	В	Trees should not be pruned at all – the latest trend is to let them develop naturally		
	C	Trees should not be pruned until the third year after planting		
	D	Trees should be cut back to at least one-half their size to prevent stress on root systems		
189.	Plov	ving or tilling a bed or lawn when it is excessively wet may:		
	*A	Damage the structure of the soil		
	В	Stratify the soil		
	C	Kill beneficial organisms in the soil		
	D	Change the soil texture		
190.	Some seeds are produced in the fall and remain on or in the ground until they germinate in the spring.			
	Exp	osing seeds to the winter cold and moist soil is nature's method of .		
	Α	Sporulating		
	*B	Stratifying		
	С	Acidifying		
	D	Scarifying		
191.		drawings show an object as seen by the eyes at eye-level.		
	Α	Base map		
	В	Section		
	С	Plan		
	*D	Perspective		

192.	Which LD-50 rating listed is the most potentially lethal to a human, based on animal studies?				
	A	945			
	В	10000			
	*C	84			
	D	1750			
193.	A glyphosate is a non-selective herbicide that will kill:				
	Α	Both annual and perennial weeds			
	В	Perennial weeds			
	С	Annual weeds			
	*D	Any green plant that it contacts			
194.	natı	ne name Acer palmatum "October Glory," "October Glory" is a if it did not occur as a ural mutation			
	* A	Cultivar			
	В	Variety			
	С	Genus			
	D	Species			
195.	Hor	Horticultural chemicals should be stored in which of the following?			
	Α	The garage refrigerator			
	В	A cool room such as the basement of a house			
	С	A refrigerated storage cabinet			
	*D	A free-standing, locked building			
196.	Which of the following plants is commonly grafted or budded?				
	* A	Roses			
	В	Yew			
	С	Pansy			
	D	Gingko			
197.	Freshly cut bark chips and sawdust should not be used as a soil amendment because they				
	Α	release toxic elements into the soil			
	В	hold too much water around the plant			
	*C	rob the soil of nitrogen during decomposition			
	D	are infested with disease			
198.	A group of plants located along the perimeter of a landscape use area is called aplanting.				
	Α	Foreground			
	В	Foundation			
	С	Corner			
	*D	Border			
199.	Generally, during the summer months in Texas, a lawn needs about inch(es) of water a week, either as rain or irrigation.				
	* A	1			
	В	3			
	С	4			
	D	2			

200. The landscape profession for which you are most likely to need a license is: landscape contractor Α В landscape maintenance supervisor C landscape designer *D landscape architect 201. A layer of partially decomposed stems. roots, and leaves of grass which develops above the soil's surface in the lawn is called mulch *B thatch C inorganic matter D mineral matter 202. Leaf miners lay their eggs: On the main stem Α *B Inside the leaves C On flower buds D On top of leaves 203. An individual or firm hired to install or construct a portion of a large landscape job is called a: Α Contract specialist В Contractor C Maintenance specialist *D Subcontractor 204. One function of stomates is to: Photosynthesize Α *B Give off water vapor C Produce pollen Prevent disease D 205. When referring to the USDA Plant Hardiness Zone map, one can determine the: Α Humidity and microclimatic changes for an area В Maximum expected temperature for an area C Soil characteristics for an area *D Minimum expected temperature for an area 206. Which of the following would be most suited for a hot, dry, steep bank in the landscape? Α Dogwood Fescue В *C Creeping juniper English ivy 207. Fred was about to drive the tractor down the street to another landscape job when Alan said, "Hey, you had better put that orange triangle on the back of that tractor before you get run-over." Alan was

*A

В

C

D

referring to the:

Slow-moving vehicle sign

Emergency vehicle sign

Farm vehicle sign

Wide-load sign

208.	Brown patch, dollar spot, and gray snow mold are all diseases of:			
	Α	Trees		
	В	Azaleas		
	*C	Turfgrasses		
	D	Evergreens		
209.	Rod plans to start a wholesale nursery growing Japanese maples. It will take him two years to produce the first saleable crop. Which of the following will be most affected?			
	Α	production scheduling		
	В	inventory		
	С	net worth		
	*D	cash flow		
210.	A friable soil is one that:			
	Α	Requires humus and fertilizer to be productive		
	В	Is high in clay particles		
	*C	Is loose and of good structure and texture		
	D	Is rich in N, P, and K		
211.	Fireblight is a disease that most often affects susceptible plants:			
	Α	In recently installed landscapes		
	В	In landscapes over four years old		
	*C	During periods of rapid succulent growth		
	D	During the winter		
212.	Which of the following is an indication of a fertile soil?			
	Α	small brown pebbles		
	В	a grey or yellow subsoil		
	С	grubs		
	*D	earthworms		
213.	When mowing turf, it is recommended that no more than of the leaf blade be removed at each cutting.			
	Α	two thirds		
	В	one half		
	*C	one third		
	D	one eighth		
214.	An area that has a slightly different climate conditions than the surrounding land, such as the north side of a house which provides shelter from excess sun and wind, is called a			
	*A	micro-climate		
	В	terrain specific locale		
	С	macro-climate		
	D	climate modified locale		
215.	Dead, decaying plant and animal material in the soil is referred to as			
	Α	the microorganisms that are present in the soil		
	В	soil reaction		
	С	soil texture		
	*D	organic matter		

216. Which of the following is a deciduous vine?

- A Mandevilla
- *B Chinese wisteria
- C English Ivy
- **D** Rosemary

217. A major advantage for using slow-release fertilizer in container-grown nursery stock is that it:

- A Can easily be leached from the soil if too much is applied
- *B Supplies nutrients over a long period of time with one application
- **C** Can be applied without expensive equipment
- **D** Can be injected through the irrigation system

218. Some of the salt buildup in potted plants can be removed by:

- A withholding water
- **B** adding lime to the irrigation water
- *C leaching
- D adding fertilizer

219. The ideal soil is composed of

- A 25% solid material, 25% air, 50% water
- **B** 25% air, 25% nutrients, 50% water
- C 25% solid material, 25% water, 50% air
- *D 25% water, 25% air, 50% solid material

220. Lawn sprinkler systems are installed so they provide even coverage. This is accomplished by:

- A Using sprinkler heads with a square pattern throughout the landscape
- *B Spacing the heads so that each sprinkler sprays to the next sprinkler
- C Spacing sprinklers based on needs specified in the soil test
- **D** Using one size pipe throughout the landscape

221. In a landscape design, properly located plants and structures.

- A Need to be constantly pruned and maintained
- *B Can reduce heat intensity
- **C** Are not essential for a good landscape design
- **D** Block the view of the front door

222. Which of the following government organizations would want to talk to you if you shipped nursery plants across state lines without a license?

- A OSHA
- **B** FBI
- C IRS
- *D USDA

223. The practice of manually watering a container plant until water comes out of the drainage holes of the container is effective for helping to reduce the buildup of in the growing medium.

- *A Soluble salts
- **B** Pesticides
- C Pathogens
- **D** Herbicide

224.	The	hardscape in a landscape design is defined as:		
	Α	Landscapes filled with mostly hardwoods		
	*B	Structures, paving, fencing, etc, incorporated into a landscape		
	С	The initial, rough landscape drawing		
	D	A space with a large area of concrete		
225.	A tra	ansplanted tree or shrub should be set into the ground:		
	*A	At the same depth at which it was originally growing		
	В	50 percent deeper than it was originally planted		
	С	With the top of the container slightly covered		
	D	So that the top roots are exposed to the air		
226.		andscaping terms, if the mower blade is set too low and the turf is not level, the mower mayturf in spots.		
	Α	Slice		
	В	Aerate		
	*C	Scalp		
	D	Scorch		
227.	To make the living area of a landscape appear larger, a designer should include plants that feature:			
	*A	Cool-colored flowers such as blues, purples, lavenders		
	В	A combination of warm- and cool-colored flowers		
	С	Warm-colored flowers such as reds, oranges, yellows		
	D	All white flowers		
228.		pruning is a pruning technique concerned primarily with the removal of		
	_	nches that could lead to damage or weaken a plant's health and appearance.		
	Α	Crotch		
	*B	Natural target		
	С	Random		
	D	Canopy		
229.	Mov	ving the lawn in a different direction each time helps reduce the chance of		
	Α	spreading disease and insects		
	В	excess wear on one part of the mower blade		
	*C	soil compaction and undesirable grain set		
	D	causing excess wear on one area of the mower		
230.	Info	rmal landscapes:		
	Α	Contain geometric patterns and perfect balance		
	В	Include sheared and sculpted hedges		
	*C	Are constructed with asymmetrical balance and curved lines		
	D	Usually contain straight, not curved, lines		
231.		Roberts told his horticulture class that the temperature for rooting shrubs should be no lower than F. He was referring to the:		
	Α	Air temperature above the bench		
	*B	Temperature of the rooting media		
	C	Air temperature at hench level		

Temperature of the mist water

232. A scale of 1:20 means that: 5' of landscape equals 6" of blueprint В 2' of landscape equals 1 1/2" of blueprint *C 1" of blueprint equals 20' in the landscape D 1" of blueprint equals 30" in the landscape 233. Which landscape tool is used to prune branches an inch or larger in diameter Α ах В hand pruner C pruning knife *D pruning saw 234. When planting ground covers grown in compressed peat containers: Be sure to remove the plant completely from the peat container Α В Leave the container as is *C Make several cuts down the sides of the container before planting Leave ½ inch of compressed peat container exposed above the soil line 235. A landscaper has to decide whether to put in a groundcover instead of turfgrass on a site with the following characteristics. Which characteristic is the most important factor in making this decision? The site has only 3 inches of topsoil Α В The site is in full sun C The site faces East The landscape area has a 25% slope 236. A plant that dies to the ground at the end of each growing season but comes back from the same rootstock year after year is most accurately described as a(n): *A Herbaceous perennial В Perennial C Annual D **Biennial** 237. The best time to spray a glyphosate is: *A When weeds are in active growth В Just before weed seeds germinate C Just before a rain When weed growth is mature 238. A systemtic insecticide refers to an insecticide that kills on contact В is applied as a fumigant *C is absorbed through the roots and leaves of a plant does not come in a granular form 239. If a house is painted in several colors you might be worried about the colors of the house and the plant

flower color clashing. One flower choice that would be safest to use is

Α

В

C

*D

blue

pink

red

white

240.	Whi	ch is most important to the financial health of a nursery/landscape business?	
	Α	Margin cost	
	*B	Net profit	
	С	Gross sales	
	D	Cost margin	
241.	Man	y insect traps attract insects with:	
	*A	Pheromones	
	В	Fresh flowers	
	C	A strong insecticide	
	D	Dried flowers	
242.	A pr	ropagator in a nursery business is responsible for:	
	Α	Increasing new accounts by spreading propaganda	
	В	Carrying out an extensive plant breeding program and applying for plant patents	
	C	Making sure the area used for pulling orders of container grown landscape-size plants is well stocked	
	*D	Starting new plants from seeds, cuttings, grafting, or other means and planning the propagation schedule	
243.	Lard	ge trees used to frame a one story, ranch style home can make the home seem than it really is.	
	A	closer to the viewer	
	В	larger	
	C	wider	
	*D	smaller	
244.	Tor	preserve the germination ability of most seeds, store them in a:	
2 44.		Cool environment after scarification	
	A *B		
		Cool, dry environment	
	C D	Warm, moist environment after stratification Warm, dry environment	
245.		is an example of a parasitic plant.	
24 J.	A	Mildew	
	*B	Mistletoe	
	C		
	D	Bacteria Rust	
246.	The scientific name for Heavenly Bamboo is:		
240.	A	Ligustrum japonicum	
	*B	Nandina domestica	
	C	Pyracantha coccinea	
	D	Raphiolepsis indica	
247.	Whe	en servicing the spark plug on a lawn mower, the electrode should be before reinstalling it in	
		mower.	
	Α	cleaned, dried, and the electrode gap closed	
	В	cleaned and coated with oil	
	С	cleaned and filled with oil	
	*D	cleaned and dried	

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- 248. Which is a drawback to planting English or Virginia Creeper on the side of a wood or vinyl sided house?
 - A these plants are groundcovers and are hard to train on walls
 - **B** the leaves turn brown in the fall and are unsightly
 - *C the adhesive tips of the ivy damage the siding or leave unsightly blemishes
 - **D** it is difficult to prune ivy on siding
- 249. B&B in the nursery/landscape trade means:
 - A Burlapped in a bag
 - *B Balled and burlapped
 - **C** Bagged in burlap
 - **D** Bare-rooted and bagged
- 250. Training plants into three-dimensional ornamental forms, such as animals, is called:
 - *A Topiary
 - B Heading back
 - **C** Bonsai
 - **D** Espalier