Nursery-Landscape CDE Test Bank B

Multiple Choice
Identify the choice that best completes the statement or answers the question.

____ 1. Many landscape equipment engines require a little extra fuel in the carburetor to start. Most models use a(n) ____________ to supply the extra fuel for starting.
   a. exhaust valve or flywheel  
   b. primer bulb or choke  
   c. fuel cell or fuel slide  
   d. cylinder or fuel ring

____ 2. Knowing where underground utility lines are buried before starting a landscape digging project helps prevent injury as well as penalties and repair charges. The national telephone number for the “Call Before You Dig” program is:
   a. 616  
   b. 811  
   c. 901  
   d. 911

____ 3. Two of the most pressing current issues for the landscape maintenance industry include:
   a. the exotic garden spider and Japanese ladybugs  
   b. turf decline and herbicide resistance  
   c. emissions and noise pollution  
   d. power blower and string trimmer safety

____ 4. A hardwood stem cutting normally needs ____________ to root.
   a. at least one node above the soil and one below the soil  
   b. all nodes below soil level  
   c. all nodes above the soil  
   d. one node and leaf above the soil and at least three nodes below the soil

____ 5. Lopping shears can be used to cut off limbs up to about __ inches in diameter.
   a. .5  
   b. .75  
   c. 1.5  
   d. 3

____ 6. The water table should be _______ of the soil surface for most plants growing in the landscape.
   a. within 24 inches  
   b. within 12 inches  
   c. between 18 and 24 inches  
   d. well below 24 inches

____ 7. Polyvinyl chloride pipe is put together in irrigation systems using _______.
   a. wire clamps  
   b. solder  
   c. filler  
   d. glue

____ 8. The practice of growing and using plants for decorative purposes is known as:
   a. decorative floriculture  
   b. aesthetic forestry  
   c. landscape botany  
   d. ornamental horticulture

____ 9. Which of the following is true about balled and burlapped plants?
   a. Plants are dug bare-root and wrapped in burlap  
   b. plants are dug bare-root, wrapped in a peat-lite mixture and covered in burlap  
   c. Balling and burlapping is most commonly used on container-grown shrubs  
   d. Balling and burlapping is most commonly used on container-grown shrubs

____ 10. One of the best landscape plants for great fall leaf color is:
   a. *Quercus rubra*  
   b. *Juniperus chinensis*  
   c. *Pinus strobus*  
   d. *Acer saccharum*
11. Which type of mower would generally make the cleanest cut and would allow the turf to be cut lowest?
   a. vertical mower  
   b. rotary mower  
   c. reel mower  
   d. flail mower

12. Which nutrient is most easily lost from the soil?
   a. nitrogen  
   b. phosphorous  
   c. iron  
   d. calcium

13. Plant containers in the nursery trade are generally measured by the:
   a. liter  
   b. height  
   c. circumference  
   d. gallon

14. Which of the following states are all among the top 10 nursery plant producing states?
   a. California, Florida, Texas  
   b. Montana, Idaho, Virginia  
   c. Alaska, Georgia, New Hampshire  
   d. Hawaii, Utah, New Mexico

15. Which of these is not a horticulture term?
   a. grafting  
   b. pinching  
   c. whey  
   d. corolla

16. Spark plugs are best removed from a mower engine with:
   a. a spark plug gape  
   b. pistol-grip pliers  
   c. a spark plug socket  
   d. an open-end wrench

17. In landscaping, staking and _________ a tree are two methods that have generally the same purpose
   a. guying  
   b. tipping  
   c. wrapping  
   d. girdling

18. Which type of plant propagation accounts for the greatest genetic variation?
   a. sexual  
   b. asexual  
   c. micro-propagation  
   d. macro-propagation

19. This nutrient causes rapid growth in most plants.
   a. potassium  
   b. nitrogen  
   c. zinc  
   d. calcium

20. Some organizations, universities, and individuals maintain old plant varieties that are poor producers compared to modern varieties. What is the best reason these varieties should be maintained?
   a. genetic diversity  
   b. sentimentality  
   c. authenticity  
   d. medicinal sources

21. Which of the following is generally true of safe pesticide or pesticide container disposal?
   a. Empty metal, plastic or glass pesticide containers should be rinsed out three times  
   b. Pesticides should be disposed of down a drain or poured onto the ground in secluded areas
   c. Un-used pesticides should be applied to open land and plowed evenly into the soil
   d. Pesticides containers should be put into large plastic bags and burned

22. Which of the following is the correct ranking of chemical signal words from least toxic to most toxic?
   a. Warning, Poison, Caution  
   b. Poison, Caution, Corrosive  
   c. Warning, Caution, Poison  
   d. Caution, Warning, Danger
23. What term is used to describe the crossing of two un-alike plants, resulting in offspring that are better than either of the parents?
   a. symbiosis  c. heterosis
   b. genetic gain  d. crossbreeding

24. Which of these plant groups all have varieties with purple or shades/tints of purple flowers?
   a. Betula, Forsythia, Pothos  c. Ginko, Ficus, Cotoneaster
   b. Rhododendron, Saucer magnolia, Azalea  d. Euonymus, Potentilla, Picea

25. What is the primary activity in a micropropagation facility?
   a. microradiation  c. hybridization
   b. tissue culture  d. sexual propagation

26. What are the two most common disease agents causing root rot?
   a. *Bacteroides melaninogenicus* and  c. coccidian and downy mildew
   b. phythium and rhizoctonia  d. contagious ecthyma and thrombosis

27. Which plant below would make the best accent or specimen plant?
   a. Blue rug juniper  c. Chinese holly
   b. Japanese maple  d. liriope

28. Which of the following is a macronutrient?
   a. iron  c. calcium
   b. zinc  d. copper

29. Which item would be a fixed cost of running a landscape maintenance company?
   a. tractor payments  c. fuel costs
   b. cost of bark mulch  d. cost of landscape fabric

30. Which of these describes the best way to prepare earplugs for insertion?
   a. stretch of the earplug to twice its length  c. roll the earplug in your hands
   b. fold the earplug i half horizontally  d. stretch and twist the earplug

31. A major factor in determining the size and number of sprinkler heads that can be installed in an irrigation line/circuit is:
   a. the number of plants to be watered  c. the amount of irrigation piping used
   b. the water needs of the plants  d. the water pressure available for irrigation

32. “Dead-heading” is an important operation on many annual plants because it makes them more attractive by removing dead materials and encourages the plant to:
   a. continue blooming  c. grow more compact
   b. grow taller  d. go dormant

33. A one-story ranch-style home probably should be framed with relatively short trees (mature height) to provide for proper ____________ of the landscape.
   a. scale  c. unity
   b. balance  d. clarity

34. Noise pollution has become a big issue for landscape professionals. The sound from landscape equipment and other noise sources is measured in:
   a. sound units  c. decibels
   b. amps  d. wavelengths
35. A procedure to expose more plant tissue on the base of cuttings, and hopefully increase rotting, is called:
   a. scarification   c. splitting
   b. wounding   d. girdling

36. If a container crop is continuously over-watered:
   a. roots will begin to die from the bottom of the pot
   b. roots will start dying from the top of the pot
   c. stem rot along the soil line will likely develop
   d. roots will twine around the outside edges of the soil ball

37. Most plant diseases are caused by:
   a. mold and mildew   c. viruses and nematodes
   b. bacteria, fungi, and viruses   d. molds, nematodes, and mildew

38. Zero-turn commercial mowers have become popular because of their:
   a. zero percent interest rate   c. long, smooth, wide turning ability
   b. reduced noise on acceleration during turns   d. tight turning radius

39. Plants intended for resale to the consumer are purchased by businesses such as garden centers and landscape companies from __________ nurseries.
   a. wholesale   c. outlet
   b. retail   d. community

40. Which two protective items must be worn when operating a gas powered string trimmer (certain other items are recommended but optional)?
   a. hearing protection and eye protection   c. hard hat and steel-toed boots
   b. eye protection and chaps   d. chaps and respirator

41. Turf grasses can be propagated using _______ and _______ when present.
   a. lenticels and tendrils   c. sheaths and internodes
   b. stolons and rhizomes   d. tendrils and internodes

42. If a plant is listed as hardy in zones 9-10, what does that mean?
   a. the plant is cold hardy in most of the U.S
   b. the plant does not do well in areas with minimum temperatures below 20-25 degrees F
   c. the plant does not do well in areas with temperatures above 90 degrees F
   d. the plant is an invasive and cannot be shipped to postal zones ending in and09 or 10

43. The home landscape is generally divided into three areas, the private, service, and _______ area.
   a. public   c. turf
   b. formal   d. foundation

44. Which of these soils will generally dry the fastest?
   a. clay loam   c. sandy loam
   b. loam   d. silt loam

45. An inorganic growing media ingredient made by exposing mica to high temperatures, where it “pops” to form a lightweight media ingredient several times its original size with good water holding ability is:
   a. vermiculite   c. peat
   b. perlite   d. sphagnum
46. The disease cedar-apple rust, uses cedars and junipers as a(n) ________ host.
   a. alternate  
   b. culinary  
   c. dedicated  
   d. definitive

47. A fertilizer with an analysis of 5-10-15 contains __________ percent of phosphorous.
   a. 5  
   b. 10  
   c. 15  
   d. 30

48. Many plants are propagated asexually and are clones of the parent plant. This is a common practice in horticulture because:
   a. many plants do not “breed true” from seed  
   b. genetic variety is easier to accomplish  
   c. most landscape plants cannot be reproduced by seeds  
   d. asexually produced plants are usually genetically superior

49. What factors are important for landscapers to consider when selecting power equipment?
   a. emission  
   b. noise  
   c. fuel efficiency  
   d. all of the above

50. Which of the following is true about flower parts?
   a. the stigma is male  
   b. the filament is female  
   c. the pollen is male  
   d. all the above is true

51. To saw a four-inch limb off a tree, be sure to make the ________ cut first to prevent stripping of the bark on the tree trunk.
   a. flush  
   b. top  
   c. over  
   d. under

52. Which group of items should be included in variable costs?
   a. insecticides and soil  
   b. utilities and office furniture  
   c. truck payments and telephone  
   d. mortgage payments and electric bill

53. The Federal Communications Commission has mandated that 811 be used as the nationwide telephone number in the ________ program for everyone, including both commercial operators and homeowners.
   a. Tax Management  
   b. Labor Management  
   c. Pesticide Advisory  
   d. Call Before You Dig

54. A dichotomous key in horticulture is:
   a. used to identify unknown plants  
   b. a computerized master key for landscape equipment  
   c. used to analyze the profitability of specific crops  
   d. used to determine the growth-area ratio

55. A disorder of plants called ‘wind burn’ is caused by:
   a. wind friction to plant stems  
   b. abrasion by particles carried by the wind  
   c. hydration of plant tissues  
   d. desiccation of plant tissues

56. On which group of plants is the operation “dead-heading” usually performed?
   a. annuals  
   b. groundcover  
   c. broadleaf evergreens  
   d. deciduous azaleas
57. Alan landscaped the new Agriculture Education building at his school by planting one of every plant on the state Nursery and Landscape CDE list. While this made a great plant identification study area, he probably did not achieve the landscape design principle of:
   a. scale
   b. balance
   c. unity
   d. clarity

58. A multi-strategy tactic to economically maintain/control pests below levels of significant economic and environmental damage is called:
   a. Integrated Plant Management
   b. Integrated Pest Management
   c. Integrated Plant Material
   d. Integrated Pest Material

59. Which of the following is a horticulture occupation?
   a. Landscape Designer
   b. Propagator
   c. Spray Technician
   d. All of the above

60. A plant that is propagated by sexual reproduction is:
   a. genetically the same as the parent plant
   b. a clone
   c. generally not a genetic duplicate of the parent plant
   d. genetically superior to asexually produced plants

61. Which of these is a professional organization serving the landscape industry?
   a. PLANET
   b. NLCA
   c. PLCA
   d. APHIS

62. Some high-end turf mowers, especially commercial models, are termed __________ mowers because of their tight turning radius.
   a. one-turn
   b. zero-turn
   c. tight-radius
   d. corner-radius

63. A residential concrete walk from the driveway to the front door should generally be at least:
   a. 20 inches wide and 2 inches thick
   b. 6 feet wide and 6 inches thick
   c. 20 inches wide and 8 inches thick
   d. 36 inches wide and 4 inches thick

64. Underground stems of turf grasses are known as:
   a. lenticels
   b. stolons
   c. rhizomes
   d. tendrils

65. Which of these mediums is the smallest in particle size?
   a. clay
   b. pebbles
   c. sand
   d. silt

66. What season is the least desirable time to prune shrubs?
   a. mid-winter
   b. early summer
   c. early spring
   d. late fall

67. An inorganic growing media ingredient made from volcanic rock is:
   a. vermiculite
   b. perlite
   c. peat
   d. sphagnum

68. Soil compaction and loss of permeability are most likely on soils that contain which of the following?
   a. large amounts of humus
   b. a high percentage of sand
   c. a large number of stones
   d. a high percentage of clay
69. Which of the following is the primary function of endosperm in the sexual reproduction of flowering plants?
   a. producing the gametes that unite to from the embryo in the seed
   b. surrounding and nourishing the embryo in the seed
   c. forming the seed coad
   d. forming the protective shell on the outside of some seed

70. What is the purpose of surfactants used in horticulture?
   a. to provide nutrients to plants
   b. to help the spreading and wetting ability of spray material
   c. to control plant diseases
   d. to assist a plant in absorbing nutrients

71. A 16-4-8 fertilizer contains ______ percent of trace elements.
   a. 16
   b. 4
   c. 8
   d. It cannot be determined from the analysis given

72. Which flower part is responsible for producing pollen grains?
   a. stigma
   b. filament
   c. anther
   d. embryonic sac

73. How many plants can be grown on an acre if each plant requires 3 square feet?
   a. 14,520
   b. 43,560
   c. 120,708
   d. 200,650

74. The yellowing of plant vegetation due to a reduced amount of chlorophyll is called:
   a. chlorophylitis
   b. cellulitis
   c. chlorosis
   d. cytokinesis

75. Cellular respiration is the __________ of/as photosynthesis in that energy is _______ as the stored sugars are broken down and used by the plant.
   a. same; released
   b. opposite; released
   c. product; created
   d. opposite; created

76. There are approximately ____ elements needed to provide all necessary plant nutrients (exact number varies by reference)
   a. 8
   b. 17
   c. 28
   d. 46

77. Glyphosate (Roundup) should be used carefully when spot-spraying weeds in the landscape because:
   a. it will kill the grass and other vegetation along with the weeds
   b. it will not kill the weeds unless drift is prevented and spray is highly concentrated
   c. spot spraying allows a higher chance of skin contact than most applications
   d. Roundup should not be used as a spot spray

78. A home landscape that has the same number, size, and shape of materials on the left side of the house as the right side is said to have _________ balance.
   a. even
   b. asymmetrical
   c. symmetrical
   d. divisible

79. Which type of mower is used to mow golf greens?
   a. vertical mower
   b. rotary mower
   c. reel mower
   d. flail mower
80. This nutrient is generally required in higher concentrations for plants than any other fertilizer component.
   a. nitrogen  
   b. phosphorous  
   c. iron  
   d. calcium

81. The amount of money a business owner has left after all deductions for expenses have been made is his/her ____________.
   a. marginal revenue  
   b. net profit  
   c. cost summation  
   d. marginal total

82. Many turf irrigation systems have a ________ to keep sprinklers turned off when it is raining.
   a. time clock  
   b. back flood prevention valve  
   c. rain detector  
   d. rain gauge

83. A tree of shrub that is used alone for accent or as a focal point is called a ____________.
   a. specialist plant  
   b. specimen plant  
   c. solo plant  
   d. singular plant

84. A homeowner was puzzled because about half the hollies in his hedge had beautiful red berries while the other half of the plants had no fruit at all. What was the most likely problem?
   a. He planted two different varieties of holly, one that produces fruit and one that does not.
   b. The holly that currently does not have berries will produce fruit later
   c. Hollies are either male with no berries or female which have berries
   d. Street lights probably prevented proper fruit set on some of the plants

85. Which of the following is not a broadleaf evergreen?
   a. Japanese Holly  
   b. Blue Rug Juniper  
   c. Camellia  
   d. Nandina

86. Working soils when they are excessively wet, especially with a tractor, rotary tiller, etc., destroy:
   a. soil structure  
   b. organic matter  
   c. inorganic matter  
   d. soil texture

87. The type of landscaping that uses fundamental principles to conserve water such as installing low water consuming plants is called:
   a. xeriscaping  
   b. hydroscaping  
   c. deserscaping  
   d. anhydroscaping

88. Taylor has a rhododendron in her landscape that is highly stressed and unhealthy. It is likely that the cause of these problems is that the rhododendron was:
   a. planted only 10 feet from a street light  
   b. purchased as a ball and burlap plant  
   c. planted where it gets full sun  
   d. planted in soil that has a high amount of organic matter

89. If you propagate 100 plants from tip cuttings of a dioecious plant, what percent of plants produced will be male and what percent will be female?
   a. approximately 50% will be female and 50% will be male  
   b. 100% will be female  
   c. 100% will be male  
   d. either 100% will be female or 100% will be male
Plants that have gracefully drooping limbs are often described in horticultural terms as _________.

- a. undulating
- b. floppy
- c. weeping
- d. sagging

How many pounds of lime should be applies to 3000 square foot lawn?

- a. 1.5 pounds
- b. 3 pounds
- c. 9 bounds
- d. Not enough data is provided to determine the answer

In landscapes where the soil has become compacted, air can be added by the use of a(n):

- a. air spade
- b. thatcher
- c. aerator
- d. water spade

When sun-loving plants are grown in too much shade, they tend to:

- a. be tall and leggy
- b. be short and compact
- c. flower more abundantly
- d. need more water and fertilizer

Which of these are not elements essential to plant growth and development?

- a. W, Ta, Au
- b. Fe, Cu, Mn
- c. C, H, O
- d. Ca, Mg, S

Which of these is not a part of plant cells?

- a. mitochondria
- b. lignin
- c. chloroplast
- d. paragraphists

How are cold frames normally used in landscape plant production nurseries?

- a. to provide moisture control
- b. to provide protection from insects and disease
- c. to provide winter protection
- d. all of the above

A water feature and patio are most appropriate in the ______ area of a home landscape.

- a. public
- b. private
- c. service
- d. foundation

Which of these is the best definition of an invasive plant?

- a. a plant with roots that extend 5 feet or more into the soil
- b. a plant that is difficult to keep in containers because of its aggressive growing habits
- c. a plant that spreads out horizontally, and produces seeds prolifically
- d. a plant with the ability to thrive and spread aggressively outside of its natural range

Which plant tissue carries water and nutrients from the plant roots to the stems and leaves?

- a. phloem
- b. cambium
- c. xylem
- d. rhizome

Which of the following is a turfgrass disorder associated with buried wood/stumps, etc.?

- a. Brown patch
- b. Fairy ring
- c. Rust
- d. Leaf spot

The planting hole for a balled and burlapped tree should be:

- a. the same size as the rootball
- b. backfilled with organic matter only
- c. at least 12 inches wider than the rootball
- d. filled with water before the tree is planted
102. Foundation plants of a home landscape that are arranged to move the viewer’s eye to the front door of the home is an application of this principle of design.
   a. focalization  
   b. balance  
   c. unity  
   d. simplicity

103. Small, white, elongated, cocoon-like structures occasionally found growing out of the bodies of caterpillars are most likely:
   a. the caterpillar’s young attached to it’s back  
   b. the eggs the caterpillar is about to lay on the plants  
   c. the larvae of parasitic wasps parasitizing the caterpillar  
   d. a sign the caterpillar has ingested a non-lethal pesticide

104. Which of the following is used to alleviate pressure on stone and masonry retaining walls?
   a. a dead-man brace  
   b. weep holes  
   c. catch basins  
   d. vermiculite

105. Which acronym is not properly matched to its meaning?
   a. IPM -- Integrated Plant Management  
   b. PPM -- Parts Per Million  
   c. PSI -- Pounds Per Square Inch  
   d. All of the above are correct

106. In 2005, the Associated Landscape Contractors of America (ALCA) and the Professional Lawn Care Association of America (PLCAA) joined forces to become the Professional Lawncare Network or:
   a. PLN.  
   b. PLN Work.  
   c. PLANET.  
   d. ProLand.

107. Plants such as daylilies, which produce foliage and flowers during the growing season, die back to the ground during winter, and resprout the next spring are:
   a. flowering annuals.  
   b. herbaceous perennials.  
   c. woody perennials.  
   d. herbaceous annuals.

108. If you examine the roots of a nursery plant that has been growing in a container for several month and find that the roots in the bottom half are dead, a likely cause is:
   a. leaching  
   b. the pot is too tall  
   c. insects have burrowed into the rootball through the drain holes  
   d. over-watering

109. Zacchaeus was explaining the virtues of the sycamore tree to a customer at his nursery. Besides being hard to climb, which of these is true about sycamore trees? Sycamores:
   a. produce showy blooms in the spring  
   b. are very showy and colorful in the fall  
   c. have beautiful white trunks and limbs on older trees  
   d. produce a pleasant aroma all season

110. Leaching refers to the:
   a. plant’s ability to transpire.  
   b. plant’s stomata exchange capacity.  
   c. washing-out or passage of nutrients through the soil.  
   d. photosynthetic activity of the plant.

111. What landscape soil type is generally best for plant growth?
   a. sand  
   b. loam  
   c. silt  
   d. clay
112. Which group of items should all be included in overhead costs?
   a. insecticides, soil, fungicide, brick pavers  
   b. guying materials, edging, sod, herbicides  
   c. soil, pots, plant cost, fertilizer  
   d. mortgage, legal fees, utilities, office expenses

113. The modification/weakening of a seed coat so that the seed can germinate is called:
   a. cold-stratification.  
   b. warm-stratification.  
   c. double stratification.  
   d. scarification

114. Water loss through plant leaves is called:
   a. respiration  
   b. transpiration  
   c. translocation  
   d. photosynthesis

115. The surface shape and features of the landscape are referred to as the site:
   a. environ  
   b. hardscape  
   c. buffer zone  
   d. topography

116. Which of these should be recommended for planting landscaping plants near a septic system?
   a. Plant trees and shrubs away from the septic field.  
   b. Plant only trees over the septic field - no shrubs.  
   c. Plant large shrubs over the septic field as a substitute for trees.  
   d. Only mulch should be used over a septic tank.

117. Which of these is the term used in horticulture to describe spray materials being blown from the target area to non-target plants, etc.?
   a. over-spray  
   b. windage  
   c. secondary spray  
   d. drift

118. The process of deadheading is performed on some annual flowers to:
   a. prolong the blooming period  
   b. promote healthier shoots  
   c. prevent disease from spreading  
   d. remove tissue used as food by many insects species

119. Which is true about using roundup/glyphosate?
   a. Mix 1 tablespoon per gallon and saturate the soil  
   b. Mix 1 tablespoon per quart and water plants until water runs from the bottom of container  
   c. Although not its main purpose, glyphosate supplies some macronutrients  
   d. Visible results of spraying glyphosate is usually seen in 2-7 days

120. Which of these occupations is not associated with the study of horticulture?
   a. Botanist  
   b. Entomologist  
   c. Herpetologist  
   d. Pathologist

121. Which of these horticulture professions is most likely to require a four-year college degree and a license from the state government or another certifying organization?
   a. Landscape plant propagator  
   b. Landscape crew chief  
   c. Garden center management  
   d. Landscape architect
122. Which group is considered invasive landscape plants?
   a. Mimosa, Ligustrum, Japanese Honeysuckle  
   b. Snapdragon, Wax Begonia, Chinese Holly  
   c. European Breech, Bearded Iris, White Ash  
   d. Zinna, Marigold, Zonal Geranium

123. A canker in landscape terminology is defined as:
   a. a disease found in the roots of hardwood trees  
   b. a localized diseased area on a plant, usually on the trunk, branch, or twig  
   c. an electrical device used to crank hard to start engines on landscape equipment  
   d. an invasive disease that, if not treated, will take over the entire plant

124. Which of these is true about the conditions necessary to root stem cuttings of woody ornamentals?
   a. Rooting media should be kept cool.  
   b. Sand should always be used to root stem cuttings.  
   c. The rooting media must be of high fertility.  
   d. The humidity around cuttings should be kept high.

125. One of the main objectives of installing landscape retention and detention ponds is to:
   a. hold pesticide run-off to prevent mosquitoes and other insects.  
   b. slow rain water run-off.  
   c. provide water for beneficial insects.  
   d. maintain a body of water for landscape irrigation.

126. Which of the following is correct about APHIS?
   a. APHIS is a department in the EPA.  
   b. It stands for Animal and Plant Health Inspection Service.  
   c. APHIS is a common insect pest of ornamental plants.  
   d. It stands for American Protection from Herbaceous Invasive Shrubs.

127. The word ‘alba’ in a plant name usually means that the blooms will be:
   a. white.  
   b. red.  
   c. pink.  
   d. blue.

128. There are two basic types of weeds: ______ and ______.
   a. mono and poly-deciduous  
   b. deciduous and poly-deciduous  
   c. grassy weeds and broadleaf weeds  
   d. deciduous and herbaceous

129. The usual time to use oil sprays in the landscape is:
   a. when the plant is in full bloom  
   b. just before bud break in the spring  
   c. at dawn or dusk  
   d. any time except during the dormant period

130. Nina added fresh pine sawdust to the planting hole of her shrub. After a few months the shrub began looking yellowish. What was the more likely reason.
   a. the sawdust caused the soil to drain too quickly, leaching away the nitrogen.  
   b. the plants were hyper-sensitive to pine sap.  
   c. the plants were hypo-sensitive to pine sap.  
   d. bacteria feeding on the sawdust depleted the soil nitrogen.

131. Many insects traps use chemical sex attractants called_______ to lure insects into the traps.
   a. pathogens  
   b. angelicas  
   c. anti-transpirants  
   d. pheromones
132. On what part of a golf course is grass cut shortest.
   a. tee  c. green
   b. fringe  d. rough

133. Alan, a concerned citizen, was upset when he saw what he thought was strip mining going on in his community. A local nurseryman was cutting long strips out of his beautiful field of grass and loading it onto trucks. What Alan saw was actually:
   a. strip cropping  c. sod farming
   b. topsoil aeration  d. strip farming

134. Repetition of plants or groups of plants in the landscape helps to achieve which principle of design?
   a. focalization  c. scale
   b. unity  d. rhythm

135. A small one-story home framed by very large oaks in the backs and on the sides creates a problem with this landscape principle.
   a. fall line  c. drip line
   b. understory line  d. branch line

136. The imaginary line directly beneath the outer edge of the branches of a tree is called the _______
   a. seeding  c. root cuttings
   b. layering  d. stem cuttings

137. Three of the six landscape design principles are: balance, proportion, and simplicity. What are the other three?
   a. rhythm, unity, and focalization  c. line, focalization, and disarray
   b. unity, texture, and pattern  d. spacing, color, and line

138. Three of the six landscape design principles are: balance, proportion, and simplicity. What are the other three?
   a. Rhythm, unity, and focalization  c. Line, focalization, and disarray
   b. Unity, texture, and pattern  d. Spacing, color, and line

139. A common disease of germinating seeds and seedlings called Damping-off is caused by a:
   a. fungus  c. virus
   b. physiological disorder  d. bacteria

140. Which of these nutrients/elements are needed by plants in the greatest amounts?
   a. Carbon, Hydrogen, and Oxygen  c. Nitrogen, Cobalt, and Molybdenum
   b. Phosphorus, Sodium, and Calcium  d. Iron, Manganese, and Copper

141. Which pieces of safety equipment should always be worn when operating commercial-type power blowers?
   a. knee pads and hard hat  c. Safety goggles and ear plugs
   b. Chaps and steel-toed shoes  d. All f the above

142. A(n) ________ is often used to help identify unknown shrub and tree species.
   a. dichotomous key  c. inclusion chart
   b. leaf index  d. differentiation guide index

143. Which of these pieces of landscape equipment is most likely to be powered by a four-cycle engine?
   a. lawnmower  c. string trimmer
   b. chainsaw  d. hedge trimmer
144. Normally, a sheared hedge should be:
   a. oval shaped
   b. wider at the top than at the bottom
   c. wider at the bottom than at the top
   d. globed shaped with the widest point in the middle

145. If a plant is “disease-resistant,” the plant:
   a. is patented and does not succumb to disease
   b. is being grown out of its native habitat and away from native plant diseases
   c. is not as likely to get a disease as non-resistant plants
   d. will not get disease

146. Hybrid Tea Roses are:
   a. propagated from hybrid seed
   b. usually budded or grafted
   c. easily grown from seed because rose seeds have the ability to ‘come true’ from seed
   d. commercially propagated by micropropagation to prevent disease

147. If a container crop is kept in the container too long or otherwise out-grows the container resulting in mattered or tangled roots, the plant is said to be:
   a. pot tight
   b. ring matted
   c. tangle rooted or matt rooted
   d. pot-bound or root-bound

148. Which of these is a term used to describe a part of a flower?
   a. Avalon
   b. Corolla
   c. Camry
   d. Tundra

149. Dead and decomposed stems and leaves in turfgrass are often referred to as:
   a. stover
   b. the A-1 horizon
   c. flush
   d. thatch

150. Plants that have gracefully drooping limbs are often described in horticulture terms as ________.
   a. undulating
   b. floppy
   c. weeping
   d. sagging

151. Which of these is a safety feature on a chainsaw?
   a. Oil pressure valve
   b. Chop-ring
   c. Anti-static paint
   d. Chain brake

152. An orange triangle displayed on the back of equipment that is moved short distances along public roads is referred to as a(n) ________ sign.
   a. tractor
   b. slow-moving vehicle
   c. emergency vehicle
   d. wide vehicle

153. Which of these statements is true?
   a. The most accurate retail pricing formula is the cost of production multiplied by four
   b. Nutsedge is a good substitute for junipers in hot, dry areas of the landscape
   c. Purslane is used as a perennial flowering plant in most of the US
   d. Landscapers generally purchase their plants from wholesalers

154. What is the ANLA?
   a. American Nursery Landscape Alliance
   b. American Nursery and Landscape Association
   c. American New Landscape Affiliate
   d. Association of Nursery Landscapers of America
155. Which of these can be a plant disease vector?
   a. Trips
   b. Aphids
   c. Humans
   d. All of the above

156. The fixed costs for a nursery business would include:
   a. pots
   b. soil
   c. rent
   d. labor

157. Most landscape irrigation systems are installed using __________ pipe.
   a. copper
   b. galvanized
   c. iron
   d. PVC

158. The majority of a plant’s stomata are located on the:
   a. stems
   b. roots
   c. leaves
   d. bark

159. A plant in the window, growing toward the sunlight, is an example of:
   a. stimulation
   b. phototropism
   c. geotropism
   d. photosynthesis

160. The major function of root hairs is to:
   a. grow into larger roots
   b. absorb water and minerals
   c. protect the root as it pushed through the soil
   d. anchor the plant

161. Which are signal words used on pesticide labels?
   a. Alert, Extreme, Caution
   b. Careful, Caution, Contaminate
   c. Careful, Alert, Crossbones
   d. Caution, Warning, Danger

162. Which tree normally has good fall color?
   a. Ginkgo
   b. Blackgum
   c. Sugar maple
   d. All of the above

163. Most deciduous shade trees and non-flowering shrubs are best pruned during:
   a. early fall
   b. late summer and early fall
   c. late winter and early spring
   d. summer and fall

164. A common cause of tall, spindly growth of container-grown nursery stock is:
   a. under watering
   b. over crowding
   c. low nutrition
   d. a damaged root system

165. A low LD50 rating of a pesticide means that the pesticide is:
   a. highly hazardous to humans
   b. unstable when not stored properly
   c. very safe for humans
   d. not very effective in controlling pests

166. Two of the most problematic invasive landscape plants are:
   a. White Oak and Sycamore
   b. Bluegrass and Fescue
   c. Privet and English Ivy
   d. Forsythia and Bayberry

167. Which of these are relatively new landscape features designed to prevent rapid water runoff from landscapes?
   a. Gravity gardens, ponder pools, and gutter gardens
   b. Retention and detention ponds and rain gardens
   c. Drain gates and ponders
   d. Rainscapes and puddlescapes
When sodding a lawn:

a. the sod strips should be placed tight against the adjoining sod
b. the pallet of sod should be soaked thoroughly a few hours before the sod is laid
c. the sod strips should be shaken vigorously to loosen roots and remove excess soil
d. All the above

Which is the recommended method of aerating turf?

a. Pull-behind spike aerators
b. core aerators
c. vertical forced-air injection
d. diagonal forced-air injection

What is one thing that should NOT be added to the soil when planting azaleas, rhododendrons, hollies, etc.?

a. Fertilizer
b. Lime
c. Pine bark
d. Peat moss

The ________________ on hydrangeas can be changed by adjusting the pH of the soil.

a. flower size
b. number of blooms
c. flower color
d. flower shape

Soil pH refers to the __________ of a soil.

a. acidity or alkalinity
b. potential hardness
c. soluble salts level
d. nitrogen level

Silvery trails on and around plants are a sign of:

a. grubs
b. aphids
c. slugs
d. mealy bugs

Which of these insects is the smallest?

a. aphids
b. leafhoppers
c. bagworms
d. borers

Landscape night lighting provides:

a. safety and security
b. accent and welcome
c. extended hours of enjoyment
d. all of the above

Many insects, such as white flies, are attracted to _____, which if the color often used in sticky traps.

a. purple
b. yellow
c. black
d. plaid

Which is a true statement about watering container plants?

a. plants may become root-bound if over watered.
b. plants should be watered once per week with one inch of water
c. deep roots develop due to over watering
d. roots may die if over watered

Landscape plantings near the base of a residence are known as __________ plantings.

a. border
c. foundation
b. screen
d. specimen

Which of these animals is most damaging to landscape plants?

a. deer
b. squirrels
c. snakes
d. birds
180. What is callus in horticulture?
   a. callus is plant tissue that forms around the base of a cutting during the rooting process
   b. if you do not like our landscape work, you call us
   c. a callus is a tool used to remove dead or diseased plants from the landscape
   d. callus is a bulb plant, similar to a calla lily

181. Small, corky pores along the stem that allow for gas exchange between the atmosphere and plant cells are:
   a. terminal buds
   b. bud scales
   c. nodes
   d. lenticels

182. Which of the following is NOT an example of a hardscape item?
   a. Foundation plantings
   b. pools
   c. irrigations systems
   d. retaining walls

183. If a fertilizer contains 17 percent potash, 15 percent nitrogen, and 16 percent phosphorus, what analysis should be written on the bag?
   a. 48 percent
   b. 16-17-15
   c. 15-16-17
   d. 17-15-16

184. Evergreen trees planted in the path of the prevailing wind can reduce ___________ in the winter.
   a. erosion
   b. wind chill
   c. sun damage
   d. wind shear

185. A new hydrangea had a not on the tag that read, “Reproduction of this plant is prohibited without license.” That means it is probably:
   a. patented
   b. a hybrid
   c. an inbred cultivar
   d. an open-pollinated variety

186. Insects are divided into two major categories to help in selecting an effective chemical control. These two types are _______ insects.
   a. slow moving and fast moving
   b. flying and non-flying
   c. two wing and four wing
   d. chewing and sucking

187. Which of these is a landscape drawing tool used to draw long, straight, vertical, and horizontal lines?
   a. sling blade
   b. template
   c. protractor
   d. t-square

188. Alan saw a plant at the arboretum labeled in a foreign language and was very upset because he thinks everyone in the United States should use only English. Then he remembered that there is a good reason for using ________ names for plants.
   a. French
   b. Spanish
   c. German
   d. Latin

189. In plant nomenclature, the word ‘rubra’ appearing in a scientific name means:
   a. runner or vine
   b. red
   c. rooty
   d. ruby
191. Why is it recommended to place crushed stone behind retaining walls before backfilling?
   a. to assist in water drainage
   b. to prevent animals from burrowing behind the wall
   c. to assist in air movement
   d. to prevent wood rot

192. Before digging, homeowners and landscapers should call a designated number, usually an 800 number, and get advice to:
   a. prevent damage to electrical lines and people
   b. prevent damage to telephone lines
   c. prevent damage to underground TV cables
   d. all the above

193. Asexual propagation is the only reliable propagation method for most plants that are:
   a. deciduous
   b. open-pollinated
   c. fertile
   d. hybrids

194. A pH range that includes the desired pH for most landscape plants is:
   a. 5.5 to 7.0
   b. 1.5 to 3.5
   c. 9.5 to 13.5
   d. 2.0 to 4.0

195. Which of the following is a function of mulch?
   a. conserves moisture
   b. provides a source of nitrogen
   c. reduces insect damage to the plant
   d. reduces rodent damage to the plant

196. Which of the following is NOT considered landscape drawing equipment?
   a. Pencil
   b. Template
   c. Caliper
   d. T-square

197. Which grass is most often used on golf greens?
   a. bentgrass
   b. bluegrass
   c. fescue
   d. zoysia

198. Which of the following is NOT a cool-season turfgrass?
   a. Kentucky bluegrass
   b. Tall fescues
   c. Bermudagrass
   d. Perennial ryegrasses

199. A herbicide used to control existing weeds is called:
   a. pre-emergence
   b. post-emergence
   c. re-emergence
   d. pro-emergence

200. On “Desperate Housewives”, the stars live on Wisteria Lane. The best description of the wisteria plant is:
   a. an evergreen vine with large yellow trumpet-shaped flowers throughout the summer
   b. an aggressive, deciduous vine the blooms in the spring
   c. a semi-deciduous, non-flowering, pseudovining plant with aggressive tendrils.
   d. a red-flowering, vine-type, with a reputation for beauty but fairly difficult to grow

201. Which plant produces a spectacular show of red/orange berries?
   a. Crepe myrtle
   b. Sweet gum
   c. Ginkgo
   d. European Mountain Ash
202. Which of the following plants is most likely to suffer health damage if planted in a low, moist, semi-shaded area?
   a. Juniper          c. English Ivy
   b. Dogwood          d. Maple

203. Traditional garden centers, in many cases, have been able to compete with chain department stores by providing:
   a. Lower prices          c. better refund policies
   b. better service         d. cleaner stores

204. On which section of the golf course is the grass usually cut the shortest?
   a. green                  c. fringe
   b. fairway                d. rough

205. Why is it undesirable to have a weedy overgrown area next to your lawn?
   a. The weeds go to seed and spread to your lawn and adjacent areas.
   b. It is NOT undesirable because the insects are attracted to the overgrown plants instead of to your landscape.

206. Though not recommended, if 2 cycle engine fuel is actually used in a 4-cycle engine:
   a. the engine will not start, or will be hard to start.
   b. there is no problem, the engine will run just fine.

207. Which of the following hardiness zones is warmer than Zone 5?
   a. zone A               c. zone 4
   b. Zone 6               d. zone 6

208. Large berms are often used to:
   a. Add landform interest and divert noise
   b. Shade sun-sensitive plants

209. One characteristic of Roundup (Glyphosate) that customers sometimes object to is:
   a. its long lasting effect
   b. That it takes several days to kill weeds

210. Which LD-50 rating listed is most toxic to man?
   a. 1750                   c. 945
   b. 84                     d. 10,000

211. Water _____ to help reduce disease in nursery crops.
   a. late in the afternoon
   b. early in the day

212. Which of the following is a beneficial insect?
   a. Lady beetle            c. fungus gnat
   b. aphid                  d. thrip
213. Which of the numbers listed below is a normal fertilizer analysis you might find on a fertilizer bag?
   a. 12-12-12
   b. 10-10
   c. 8-12-12-12
   d. 4-0-0-4

214. One reason modern horticultural fabrics used in landscaping are said to be better than black polyethylene film is they:
   a. prevent moisture from penetrating too deeply
   b. make a better base for rock mulch.
   c. allow exchange of gases between soil and air
   d. completely control weeds

215. Who is responsible for establishing the binomial system for naming plants?
   a. Aristotle
   b. Linnaeus
   c. Weinberg
   d. Bernoulli

216. The part of a newly grafted plant that will form the branch system is the:
   a. Scion
   b. Shoot stock
   c. branch stock
   d. graft stock

217. Which plant type below has the most limited range for planting time, generally last fall through late winter?
   a. containerized trees and shrubs
   b. bare root trees
   c. containerized ground covers
   d. potted seedlings

218. The best type of sand to use in soil mixtures for container grown plants is:
   a. beach
   b. fine-textured
   c. white, fine-textured
   d. coarse textured

219. Which plant has thickened, fleshy roots for food storage?
   a. Boston ivy
   b. day lily
   c. bluegrass
   d. spirea

220. Scientific names generally consist of two words, the first being the genus and the second being the:
   a. species
   b. family
   c. order
   d. cultivar

221. A tumor in plants caused by bacteria is called a:
   a. vegetative tumor
   b. rector
   c. Ganker
   d. Gall

222. Fire blight is caused by what type of organism?
   a. Bacteria
   b. Virus
   c. Insect
   d. Fungus

223. Which is a Signal Word on a pesticide label?
   a. Slight
   b. Extreme
   c. Careful
   d. Caution

224. In the name *Acer rubrum* ‘October Glory’, ‘OctoberGlory’ is a:
   a. Species
   b. Cultivar
   c. Genus
   d. Variety

225. What is the function of the axillary bud on the stem?
   a. To provide food storage
   b. To aid in seed dispersal.
   c. To produce a new leaf or stem.
   d. To help heal wounds of the plant.
226. What is Ginkgo biloba a great focal point of interest in the fall?
   a. the leaves turn bright red  
   b. it keeps its leaves throughout the season  
   c. the leaves turn bright yellow  
   d. it has bright pink flower

227. Compacted and poorly drained soils contain little ______, a gas that tree roots need to survive and grow.
   a. Zenon  
   b. Carbon dioxide  
   c. Oxygen  
   d. Hydrogen

228. Failure to firm down the soil around a newly planted tree or shrub can result in the air pockets. This may cause:
   a. drying of plant roots  
   b. soil heaving in winter  
   c. disease  
   d. over watering problems

229. Wire used for staking a tree should always be:
   a. wrapped from the bottom to the top of the tree  
   b. wrapped from the top to the bottom of the tree  
   c. wrapped right to left on the trunk  
   d. inserted into rubber or plastic hosing at the points of contact

230. The thin tissue of the plant located between the bark and the wood is known as:
   a. Scion  
   b. Stock  
   c. Callus  
   d. Cambium

231. Which is most important to the financial health of a nursery/landscape business:
   a. Gross scales  
   b. Marginal cost  
   c. Net profit  
   d. Cost margin

232. Pollen is found on the flower part known as the:
   a. Filament  
   b. Sepal  
   c. Pistil  
   d. Anther

233. In plant pathology the virulence of an organism refers to:
   a. The resistance of pathogen to pesticides  
   b. How often a plant is inoculated  
   c. The ability of a pathogen to cause disease  
   d. The ability of a plant to reproduce naturally

234. Leaves that show interveinal chlorosis probably suffer from:
   a. nitrogen excess  
   b. chlorine damage  
   c. water stress  
   d. iron deficiency

235. Which of the following is NOT derived from naturally occurring rocks or minerals?
   a. perlite  
   b. vermiculite  
   c. peat moss  
   d. pes gravel

236. Which of the following has the longest bloom period?
   a. dogwood  
   b. crepe myrtle  
   c. flowering crabapple  
   d. saucer magnolia

237. A perennial vine producing fragrant yellow flowers during summer and fall is:
   a. Boston ivy  
   b. English ivy  
   c. wisteria  
   d. None of the above
238. A type of propagation in which the new plant remains attached to the mother plant until its root system is established is called:
   a. layering
   b. stem cutting
   c. cleft grafting
   d. root cutting

239. Shrubs planted in small groups in the landscape are generally placed in:
   a. groups of 2
   b. odd numbered groups (i.e. 3, 5, 7)
   c. even numbered groups (i.e. 2, 4, 6)
   d. groups of 4

240. What should you look for on a pesticide label to determine its relative toxicity?
   a. signal word
   b. toxicity code
   c. expiration date
   d. application statement

241. For maximum effectiveness, Mulches should be applied about ______ deep.
   a. 1 inch
   b. 3-4 inches
   c. 8-10 inches
   d. 10-12 inches

242. A complete fertilizer contains nitrogen, phosphorous and:
   a. K (calcium)
   b. C (calcium)
   c. P (potassium)
   d. K (potassium)

243. Why are field-grown native trees from a nursery more likely to survive digging and planting into the landscape than those dug from the wild?
   a. nursery grown plants can be containerized
   b. plants field grown in the nursery are root pruned occasionally
   c. nursery grown plants have fewer but longer roots
   d. there is no difference in the survival rate of plants dug from the wild and nursery grown plants

244. What is one reason mid-way watering of lawns in the summer is usually not recommended?
   a. Much of the water is lost through evaporation.
   b. plant roots do not readily absorb water during the daylight hours
   c. homeowners pay a premium for water if they irrigate between the hours of 8 AM and 5 PM
   d. fast evaporation of the water from plant leaves may cause disease.

245. Which of the following is the adult stage of a bagworm?
   a. moth
   b. beetle
   c. larva
   d. butterfly

246. The landscape profession for which you are most likely to need a license is:
   a. landscape designer
   b. landscape architect
   c. landscape contractor
   d. landscape maintenance supervisor

247. An individual or firm hired to install or construct a portion of a large landscape job is called:
   a. Subcontractor
   b. contractor
   c. Contract specialist
   d. Maintenance specialists

248. A typical home landscape is divided into _______ use areas.
   a. Three to four
   b. Fix to six
   c. Six to seven
   d. Nine to ten
249. Which of the following is most likely to need liability insurance related to their occupation?
   a. Nursery Manager
   b. Nursery owner
   c. Landscape foreman
   d. Plant propagator

250. Which of the following is NOT true about wounding of cuttings?
   a. Wounding is done to expose more of the cambium layer.
   b. Wounding can be accomplished in a number of ways including scraping the base of a cutting with a knife.
   c. Wounding is recommended for all cuttings and produces quicker rooting and better uniformity.
   d. After wounding, treatment with a rooting hormone may facilitate rooting.
N-L Test Bank B
Answer Section

MULTIPLE CHOICE

1. ANS: B  PTS: 1
2. ANS: B  PTS: 1
3. ANS: C  PTS: 1
4. ANS: A  PTS: 1
5. ANS: C  PTS: 1
6. ANS: D  PTS: 1
7. ANS: D  PTS: 1
8. ANS: D  PTS: 1
9. ANS: C  PTS: 1
10. ANS: D  PTS: 1
11. ANS: C  PTS: 1
12. ANS: A  PTS: 1
13. ANS: D  PTS: 1
14. ANS: A  PTS: 1
15. ANS: C  PTS: 1
16. ANS: C  PTS: 1
17. ANS: A  PTS: 1
18. ANS: A  PTS: 1
19. ANS: B  PTS: 1
20. ANS: A  PTS: 1
21. ANS: A  PTS: 1
22. ANS: D  PTS: 1
23. ANS: C  PTS: 1
24. ANS: B  PTS: 1
25. ANS: B  PTS: 1
26. ANS: B  PTS: 1
27. ANS: B  PTS: 1
28. ANS: C  PTS: 1
29. ANS: A  PTS: 1
30. ANS: C  PTS: 1
31. ANS: D  PTS: 1
32. ANS: A  PTS: 1
33. ANS: A  PTS: 1
34. ANS: C  PTS: 1
35. ANS: B  PTS: 1
36. ANS: A  PTS: 1
37. ANS: B  PTS: 1
38. ANS: D  PTS: 1
39. ANS: A  PTS: 1
40. ANS: A  PTS: 1
41. ANS: B  PTS: 1
42. ANS: B   PTS: 1
43. ANS: A   PTS: 1
44. ANS: C   PTS: 1
45. ANS: A   PTS: 1
46. ANS: A   PTS: 1
47. ANS: B   PTS: 1
48. ANS: A   PTS: 1
49. ANS: D   PTS: 1
50. ANS: C   PTS: 1
51. ANS: D   PTS: 1
52. ANS: A   PTS: 1
53. ANS: D   PTS: 1
54. ANS: A   PTS: 1
55. ANS: D   PTS: 1
56. ANS: A   PTS: 1
57. ANS: C   PTS: 1
58. ANS: B   PTS: 1
59. ANS: D   PTS: 1
60. ANS: C   PTS: 1
61. ANS: A   PTS: 1
62. ANS: B   PTS: 1
63. ANS: D   PTS: 1
64. ANS: C   PTS: 1
65. ANS: A   PTS: 1
66. ANS: D   PTS: 1
67. ANS: B   PTS: 1
68. ANS: D   PTS: 1
69. ANS: B   PTS: 1
70. ANS: B   PTS: 1
71. ANS: D   PTS: 1
72. ANS: C   PTS: 1
73. ANS: A   PTS: 1
74. ANS: C   PTS: 1
75. ANS: B   PTS: 1
76. ANS: B   PTS: 1
77. ANS: A   PTS: 1
78. ANS: C   PTS: 1
79. ANS: C   PTS: 1
80. ANS: A   PTS: 1
81. ANS: B   PTS: 1
82. ANS: C   PTS: 1
83. ANS: B   PTS: 1
84. ANS: C   PTS: 1
85. ANS: B   PTS: 1
86. ANS: A   PTS: 1
87. ANS: A   PTS: 1
88. ANS: C   PTS: 1
89. ANS: D  PTS: 1
90. ANS: C  PTS: 1
91. ANS: D  PTS: 1
92. ANS: C  PTS: 1
93. ANS: A  PTS: 1
94. ANS: A  PTS: 1
95. ANS: D  PTS: 1
96. ANS: C  PTS: 1
97. ANS: B  PTS: 1
98. ANS: D  PTS: 1
99. ANS: C  PTS: 1
100. ANS: B  PTS: 1
101. ANS: C  PTS: 1
102. ANS: A  PTS: 1
103. ANS: C  PTS: 1
104. ANS: B  PTS: 1
105. ANS: A  PTS: 1
106. ANS: C  PTS: 1
107. ANS: B  PTS: 1
108. ANS: D  PTS: 1
109. ANS: C  PTS: 1
110. ANS: C  PTS: 1
111. ANS: B  PTS: 1
112. ANS: D  PTS: 1
113. ANS: D  PTS: 1
114. ANS: B  PTS: 1
115. ANS: D  PTS: 1
116. ANS: A  PTS: 1
117. ANS: C  PTS: 1
118. ANS: A  PTS: 1
119. ANS: D  PTS: 1
120. ANS: C  PTS: 1
121. ANS: D  PTS: 1
122. ANS: A  PTS: 1
123. ANS: B  PTS: 1
124. ANS: D  PTS: 1
125. ANS: B  PTS: 1
126. ANS: B  PTS: 1
127. ANS: A  PTS: 1
128. ANS: C  PTS: 1
129. ANS: B  PTS: 1
130. ANS: D  PTS: 1
131. ANS: D  PTS: 1
132. ANS: D  PTS: 1
133. ANS: C  PTS: 1
134. ANS: C  PTS: 1
135. ANS: C  PTS: 1
136. ANS: D  PTS: 1
137. ANS: A  PTS: 1
138. ANS: A  PTS: 1
139. ANS: A  PTS: 1
140. ANS: A  PTS: 1
141. ANS: C  PTS: 1
142. ANS: A  PTS: 1
143. ANS: A  PTS: 1
144. ANS: C  PTS: 1
145. ANS: C  PTS: 1
146. ANS: B  PTS: 1
147. ANS: D  PTS: 1
148. ANS: B  PTS: 1
149. ANS: D  PTS: 1
150. ANS: C  PTS: 1
151. ANS: D  PTS: 1
152. ANS: B  PTS: 1
153. ANS: D  PTS: 1
154. ANS: B  PTS: 1
155. ANS: D  PTS: 1
156. ANS: C  PTS: 1
157. ANS: D  PTS: 1
158. ANS: C  PTS: 1
159. ANS: B  PTS: 1
160. ANS: B  PTS: 1
161. ANS: D  PTS: 1
162. ANS: D  PTS: 1
163. ANS: C  PTS: 1
164. ANS: B  PTS: 1
165. ANS: A  PTS: 1
166. ANS: C  PTS: 1
167. ANS: B  PTS: 1
168. ANS: A  PTS: 1
169. ANS: B  PTS: 1
170. ANS: B  PTS: 1
171. ANS: C  PTS: 1
172. ANS: A  PTS: 1
173. ANS: C  PTS: 1
174. ANS: A  PTS: 1
175. ANS: D  PTS: 1
176. ANS: B  PTS: 1
177. ANS: D  PTS: 1
178. ANS: C  PTS: 1
179. ANS: A  PTS: 1
180. ANS: A  PTS: 1
181. ANS: D  PTS: 1
182. ANS: A  PTS:  1
183. ANS: C  PTS:  1
184. ANS: B  PTS:  1
185. ANS: A  PTS:  1
186. ANS: D  PTS:  1
187. ANS: D  PTS:  1
188. ANS: D  PTS:  1
189. ANS: A  PTS:  1
190. ANS: B  PTS:  1
191. ANS: A  PTS:  1
192. ANS: D  PTS:  1
193. ANS: D  PTS:  1
194. ANS: A  PTS:  1
195. ANS: A  PTS:  1
196. ANS: C  PTS:  1
197. ANS: A  PTS:  1
198. ANS: C  PTS:  1
199. ANS: B  PTS:  1
200. ANS: B  PTS:  1
201. ANS: D  PTS:  1
202. ANS: A  PTS:  1
203. ANS: B  PTS:  1
204. ANS: A  PTS:  1
205. ANS: A  PTS:  1
206. ANS: D  PTS:  1
207. ANS: D  PTS:  1
208. ANS: A  PTS:  1
209. ANS: B  PTS:  1
210. ANS: B  PTS:  1
211. ANS: B  PTS:  1
212. ANS: A  PTS:  1
213. ANS: A  PTS:  1
214. ANS: C  PTS:  1
215. ANS: B  PTS:  1
216. ANS: A  PTS:  1
217. ANS: B  PTS:  1
218. ANS: D  PTS:  1
219. ANS: B  PTS:  1
220. ANS: A  PTS:  1
221. ANS: D  PTS:  1
222. ANS: A  PTS:  1
223. ANS: D  PTS:  1
224. ANS: B  PTS:  1
225. ANS: C  PTS:  1
226. ANS: C  PTS:  1
227. ANS: C  PTS:  1
228. ANS: A  PTS: 1
229. ANS: D  PTS: 1
230. ANS: D  PTS: 1
231. ANS: C  PTS: 1
232. ANS: D  PTS: 1
233. ANS: C  PTS: 1
234. ANS: C  PTS: 1
235. ANS: C  PTS: 1
236. ANS: B  PTS: 1
237. ANS: D  PTS: 1
238. ANS: A  PTS: 1
239. ANS: B  PTS: 1
240. ANS: A  PTS: 1
241. ANS: B  PTS: 1
242. ANS: D  PTS: 1
243. ANS: B  PTS: 1
244. ANS: A  PTS: 1
245. ANS: A  PTS: 1
246. ANS: B  PTS: 1
247. ANS: A  PTS: 1
248. ANS: A  PTS: 1
249. ANS: B  PTS: 1
250. ANS: C  PTS: 1