

## Nursery-Landscape CDE Test Bank A

### Multiple Choice

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

- \_\_\_\_\_ 1. What is the advantage of using plants in the landscape that are native to the area or plants that are derived from native species
- |  |   |
|--|---|
| a. Native plants and selected varieties of native plants are less expensive              | c. Native plants and selected varieties will grow in all soil conditions in the area  |
| b. Native plants and selected varieties are smaller at maturity and require less pruning | d. Native plants and selected varieties are usually more resistant to pests and are better adapted to the environment of the area |
- \_\_\_\_\_ 2. A pesticide that enters the plant system and moves throughout the plant to control plant pests as they feed on the plant tissues is the best defined as which of the following?
- |                    |                   |
|--------------------|-------------------|
| a. Systemic        | c. Fumigant       |
| b. Internal Poison | d. Contact Poison |
- \_\_\_\_\_ 3. Which nutrient is most readily lost from the soil and is applied according to general recommendations for plant needs rather than soil test results?
- |               |              |
|---------------|--------------|
| a. Nitrogen   | c. Calcium   |
| b. Phosphorus | d. Magnesium |
- \_\_\_\_\_ 4. Generally, solid wooden fences should be about \_\_\_\_\_ feet high to provide privacy, some wind protection, and reduce noise.
- |      |       |
|------|-------|
| a. 4 | c. 8  |
| b. 6 | d. 10 |
- \_\_\_\_\_ 5. Which of the following is the best definition of “massing plants” in the landscape design?
- |  |   |
|--|---|
| a. many plants that grow at different heights so that a vertical wall is formed. | c. one-third each of deciduous plants, blooming plants, and evergreen plants.               |
| b. one half deciduous and one half evergreen plants in a bed.                    | d. many plants of one or a few species in a group to fill large amounts of landscape space. |
- \_\_\_\_\_ 6. An example of items commonly found in the service area of the home landscape include:
- |   |   |
|---|---|
| a. birdbaths, statuary, and fountains             | c. miniature putting greens, vegetable gardens, and sitting areas |
| b. specimen trees, fruiting shrubs, and fountains | d. tool sheds, garbage cans, and storage                          |
- \_\_\_\_\_ 7. The walkway leading to the front door of a home should be at least \_\_\_\_\_ feet wide.
- |      |      |
|------|------|
| a. 2 | c. 6 |
| b. 4 | d. 8 |
- \_\_\_\_\_ 8. Hydroseeding, which is the process of \_\_\_\_\_, is often used to establish grass on steep slopes.
- |   |   |
|---|---|
| a. applying a mixture of seed, water, fertilizer, and mulch in a spray slurry | c. planting seeds by air pressure                             |
| b. infusing hydrogen into seed for quick germination                          | d. soaking seeds in water and a mild paste before application |

- \_\_\_ 9. Turf that is to be maintained at 2 inches high should be mowed when it is about \_\_\_\_\_ inches tall
- a. 3
  - b. 5
  - c. 7
  - d. 9
- \_\_\_ 10. Grasses that are to be maintained at a low height, such as bentgrass on golf greens, are best cut with a \_\_\_\_\_ mower
- a. reel
  - b. rotary
  - c. flail
  - d. riding
- \_\_\_ 11. Which federal agency is responsible for inspection businesses to ensure that employers provide employees with a workplace that is free from recognized hazards that are likely to cause harm to the employees?
- a. American Community and Workplace Administration
  - b. Cooperative Extension Service
  - c. Occupational Safety and Health Administration
  - d. Hazard Prevention Administration
- \_\_\_ 12. In the process of obtaining bids on large landscape projects, a \_\_\_\_\_ bond is often required to assure that the contractor who is selected as the winning bidder for the job will actually sign the contract and follow through to complete the landscape job he/she bid.
- a. bail
  - b. bid
  - c. loss
  - d. materials
- \_\_\_ 13. Upright trees generally have a center, main branch called a \_\_\_\_\_ and side branches often called \_\_\_\_\_ branches.
- a. top, terminal
  - b. sucker, scaffold
  - c. main, terminal
  - d. leader, lateral
- \_\_\_ 14. A Federal government agency which, among other responsibilities, protects plant health by inspection for plant diseases that may be brought into the U.S. by international travelers at airports, ports, etc., is:
- a. PLANET
  - b. APHIS
  - c. NCLA
  - d. OSHA
- \_\_\_ 15. Carrying adequate liability insurance on the business helps reduce \_\_\_\_\_ for the business.
- a. inventory
  - b. gross sales
  - c. risk
  - d. costs
- \_\_\_ 16. A simple plant leaf is made up of which of the following?
- a. lenticels, internodes, and serrations
  - b. petiole and lenticels
  - c. internode, node, petiole, and leaf blade
  - d. petiole and leaf blade
- \_\_\_ 17. In the analysis of a landscape business the following data for the year were collected. Which single item is most accurate in indicating the profitability of the business?
- a. Gross sales = \$68,000
  - b. Payroll = \$185,000
  - c. Inventory = \$213,000
  - d. Payroll = \$350,000
- \_\_\_ 18. A customer tells you that a large limb about 5 inches in diameter was broken off of their tree recently is a storm leaving a frayed stub about 15 inches from the tree trunk. What is the best advice for this customer?
- a. Spray the frayed stub with wound spray
  - b. Cut the frayed stub back about 5 inches from the trunk and seal with wound dressing.
  - c. Do nothing. Research has shown that treating wounds of this nature is not beneficial.
  - d. Make a clean cut next to the trunk, avoiding the collar area. Apply wound spray if desired.

- \_\_\_ 19. Which of the following is a Federal tax that is deducted from the pay checks of full time employees?
- property tax
  - Medicaid
  - Social Security
  - state income tax
- \_\_\_ 20. A call to \_\_\_\_\_ is always advisable if you think you may be digging anywhere near underground utility lines.
- 411
  - 811
  - 888
  - 977
- \_\_\_ 21. Patented plants cannot legally be propagated without \_\_\_\_\_ being paid to the patent holder.
- development taxes
  - patent rentals
  - hybrid taxes
  - royalties
- \_\_\_ 22. Which of the following would be the most likely to survive being planted into the landscape during the hot summer months?
- bare root deciduous plants
  - containerized plants
  - bare root evergreens
  - balled and burlapped trees
- \_\_\_ 23. The gap on a spark plug must be specified width in order to:
- provide for the proper flow of gasoline into the cylinder
  - allow air flow into the cylinder, which vaporized the gasoline
  - regulate the mixture of air and gasoline
  - allow electricity to jump the gap, creating a spark to ignite the fuel
- \_\_\_ 24. In most landscape plants, pruning stimulates:
- regrowth of shoots near the cut
  - development of V- shaped crotches
  - root growth
  - internode growth near the cut
- \_\_\_ 25. USDA Plant Hardiness Zones are based on the \_\_\_\_\_ for an area.
- lowest expected temperatures
  - highest expected temperatures
  - rainfall and soil characteristics
  - all the above
- \_\_\_ 26. Which of the statements below is TRUE concerning the turfgrass species specified?
- Annual Ryegrass is sometimes used as a nurse grass to hold soil in place until a permanent turfgrass is established
  - Bermudagrass is always grown from seed and is one of the most shade tolerant turfgrasses
  - Bentgrass is noxious weed that invades lawns and golf greens in USDA Hardiness Zones 7 to 12
  - Annual Bluegrass is often used on putting greens due to its cold hardiness and fine texture
- \_\_\_ 27. Astilbe, Purple Coneflower, Shasta Daisy, and Day Lily are all classified which of the following?
- bulbous
  - annuals
  - perennials
  - biennials
- \_\_\_ 28. In pruning shrubs, heading back cuts should be made:
- just below a bud, and as close to the bud being removed as possible
  - just above the bud in the middle of the internode
  - diagonally across the center of a node
  - just above a node, about one fourth of an inch above the bud
- \_\_\_ 29. Plants that are unusually colorful or have striking growth habits, as well as fountains and statuary, are often used in the landscape as which of the following?
- focalization points
  - silhouettes for balance



- a. shadow  
b. silhouette
- c. up  
d. crescent
- \_\_\_ 42. Which of these plants has the finest leaf texture?  
a. Chinese Holly  
b. Japanese Holly  
c. Oregon Grape Mahonia  
d. Red Maple
- \_\_\_ 43. Extra fuel for easier starting of a small engine is often supplied by pressing the \_\_\_\_\_.  
a. primer bulb  
b. flywheel  
c. fuel cell  
d. float valve
- \_\_\_ 44. When is the optimum time to prune Azaleas?  
a. shortly before bud break in the spring  
b. shortly before blooming in the spring  
c. in the late fall  
d. between January 1 and March 1
- \_\_\_ 45. A fuel/ oil mix ranging from 16:1 and 50:1, depending on the manufacturers' recommendation, is required in:  
a. two-cycle engines  
b. three-cycle engines  
c. four-cycle engines  
d. diesel engines
- \_\_\_ 46. Which of these ornamental trees is commonly sold in either white or pink blooming varieties?  
a. Ginkgo  
b. Japanese Maple  
c. European Beech  
d. Dogwood
- \_\_\_ 47. Which plant disease organism is the most difficult to control with chemicals once the plant is infected?  
a. bacteria  
b. fungus  
c. virus  
d. mildew
- \_\_\_ 48. IPM is an acronym for which of the following?  
a. interrelated pest management  
b. integrated pest management  
c. intensive pest management  
d. intensive pest material
- \_\_\_ 49. During a recession, businesses often have to cut costs to stay in business as sales decline. If sales fall for a production nursery, which cost can be reduced most effectively in the short run to help preserve the business?  
a. overhead costs  
b. variable costs  
c. fixed assets  
d. property taxes
- \_\_\_ 50. Which of the following is a false statement?  
a. Generally, shrubs in the landscape should be within bed lines  
b. Shrubs of the same species that are grouped together should generally be used in odd numbers  
c. Tall growing trees should be planted on the sides of the home with short trees in the back and medium sized trees in the front  
d. *Cornus florida* prefers partial shade
- \_\_\_ 51. An agriculture teacher was teaching plant parts and trying to give her students a good way to remember the definition of each part. One student wrote the definitions down but got one wrong. Which of these is wrong?  
a. endosperm: the male portion of the flower  
b. stolon: a creeping horizontal plant stem or runner that grows on the ground  
c. rhizome: an underground stem that can rise up to form a new plant  
d. internode: the section of stem between two nodes
- \_\_\_ 52. If the temperature dips below freezing for several days, which of these plants would most likely NOT survive in the landscape without protection?

- a. Wax Begonia
- b. Pansy
- c. Cotoneaster
- d. Forsythia

- \_\_\_ 53. Hedges, a common feature in many landscapes, are commonly used to do all of the following EXCEPT:
- a. define property lines and buffer noises
  - b. provide privacy and block strong winds
  - c. block the view of unpleasing objects
  - d. define legally binding property boundaries
- \_\_\_ 54. Which of these best defines simplicity in landscape beds?
- a. use several plant species; separate plants so they will not touch at maturity; use sharp-curved bed lines
  - b. use not only a few plant types; use gently curving bed lines; mass like plants together
  - c. use only two of each of six or more plant species; do not mass plants; do not put like plants together
  - d. use many curves in the bed lines; use several species of plants; avoid massing plants together
- \_\_\_ 55. An example of items commonly used as a focal point in the non-public area of the home landscape are:
- a. specimen plants, birdbaths, statuary, and fountains.
  - b. large trees, the front door, concrete walls, and windows.
  - c. tall single-trunk trees, walkways, and vegetable gardens.
  - d. turf pads, tall plants, and hedges.
- \_\_\_ 56. The slope of the home landscape should be graded so that the:
- a. lot slope toward the home between .5 and 1 percent so that rainwater is directed to the foundation
  - b. slope is as near level as possible
  - c. lot has a gentle slope away from the foundation
  - d. lot slopes toward the house 1 percent or more so that the foundation plants serve as a catch basin
- \_\_\_ 57. When heat is used to pasteurize potting soil, the soil, the soil should be heated to about:
- a. 100 degrees for 30 minutes
  - b. 115 degrees for 1 hour
  - c. 180 degrees for 30 minutes
  - d. 190 degrees for 4 hours
- \_\_\_ 58. The practice of \_\_\_ is often used to quickly stabilize steep embankments.
- a. plugging
  - b. stolonizing
  - c. hydroseeding
  - d. enviro-seeding
- \_\_\_ 59. Subcontractors on large landscape installations may be used to:
- a. install a fountain
  - b. install an irrigation system
  - c. grade the site
  - d. all of the above
- \_\_\_ 60. All of the following are landscape lighting types used for various lighting effects EXCEPT:
- a. up lighting
  - b. down lighting
  - c. silhouette lighting
  - d. sketch lighting
- \_\_\_ 61. If the architecture of the structure being landscaped is symmetrical, then a \_\_\_\_\_ landscape would probably fit best.
- a. asymmetrical
  - b. symmetrical
  - c. bilateral
  - d. vertical
- \_\_\_ 62. Generally, \_\_\_\_\_ focal point(s) should be seen by the viewer from any one point in the landscape.
- a. no more than one
  - b. all landscape
  - c. only two to five
  - d. only two

- \_\_\_\_\_ 63. The planting season of \_\_\_\_\_ is generally restricted to the late fall through early spring.
- bare-root shrubs and trees
  - containerized shrubs and trees over 5 gallons
  - containerized shrubs and trees less than 5 gallons
  - herbaceous plants
- \_\_\_\_\_ 64. Which of the following is the LEAST important question to ask while interviewing the client about a total home landscape plan?
- How many cars are in the family?
  - What are the hobbies or special interest of the family members?
  - Tell me about your pets?
  - Where does the family like to go on vacation?
- \_\_\_\_\_ 65. Material safety data sheets (MSDS) are best obtained from:
- the USDA
  - wholesale nurseries.
  - the manufactured of the product.
  - the State Department of Agriculture.
- \_\_\_\_\_ 66. Which of these is used to record the slope of different areas of the property?
- genome map
  - contour map
  - eco-map
  - enviro-map
- \_\_\_\_\_ 67. Generally, which of the following is true about the foliage texture of landscape plants?
- small leaved plants give a fine textured appearance
  - large leaved plants provide a pubescence textured appearance
  - coarse textured plants should not be used near fine textured plants
  - fine textured plants should not be used in the foundation
- \_\_\_\_\_ 68. If landscape plants need severe pruning generally it is best done in the:
- Summer when the plants are actively growing
  - Winter when the plants are dormant
  - Spring just as the buds begin to break
  - Spring just after the plants are in full leaf
- \_\_\_\_\_ 69. A very large tree next to a one story home would make the house appear \_\_\_\_\_ to the viewer and violates the principle of proportion
- longer
  - wider
  - larger
  - smaller
- \_\_\_\_\_ 70. Which of these is true of cloned plants
- Meiosis is a part of the cloning process that produces the plant
  - Cloned plants are genetically superior to the parent plant
  - Cloned plants are genetic duplicates of the parent plants
  - Cloned plants are genetically superior to the plants propagated from seed
- \_\_\_\_\_ 71. Which of these is a governmental agency with duties that include preventing the importation of plant diseases, insects, and non native invasive species
- PLANET
  - APHIS
  - NLCA
  - OSHA
- \_\_\_\_\_ 72. A fertilizer with the analysis of 5-10-15 contains \_\_\_\_\_ % magnesium
- 5
  - 10
  - 15
  - the % magnesium cannot be determined from the information given
- \_\_\_\_\_ 73. The total value of goods and services sold over a given period of time is determined as:

- a. marginal sales
  - b. gross profit
  - c. gross sales
  - d. marginal revenue
- \_\_\_ 74. The three most distinct areas of a residence to be landscaped are known as
- a. Public, private, service
  - b. front, back and extended
  - c. commercial residential and private
  - d. Commercial service and public
- \_\_\_ 75. When planting seeds the most important factor to consider when determining how deep to plant the seed is the:
- a. Size of the seeds
  - b. Viability of the seeds
  - c. Soil temperature
  - d. Depth of the top soil
- \_\_\_ 76. Which of these plants can best survive freezing temperatures in the landscape
- a. Marigold
  - b. Zinnia
  - c. Impatiens
  - d. Pansy
- \_\_\_ 77. To help assure that granular fertilizer is spread evenly over the lawn it is best
- a. broadcast fertilizer by hand
  - b. Spread one half of the fertilizer in one direction and one half at right angles to the first direction
  - c. Use a drop spreader with a setting of 7 to 9
  - d. Use a drop spreader with a setting of 9 to 10
- \_\_\_ 78. Other than a 3dimensional model of a proposed landscape project nothing allows a better visualization of the proposed design than a
- a. Basemap drawing
  - b. Perspective drawing
  - c. Contour display
  - d. Plot plan drawing
- \_\_\_ 79. Which of these are not traditional drawing tools used in drawing landscapes plans
- a. Protractor, compass, scale
  - b. T-square, triangle, lettering template
  - c. French curve, erasers, flexible curves
  - d. bow arch, twist curve, inch meter
- \_\_\_ 80. Maintaining the proper soil pH is a must for the efficient use of other crop inputs. Understanding that soil pH controls the \_\_\_\_\_ is important for plant producers.
- a. availability of most nutrients
  - b. amount of moisture available to the plant
  - c. germination of most crop seeds
  - d. effectiveness of herbicides
- \_\_\_ 81. A plant transplanted into the landscape or potted into a larger pot should be planted:
- a. about 2-3 inches deeper than it was originally growing
  - b. about 2-3 inches higher than it was originally growing
  - c. at the same depth it was originally growing
  - d. so that at least one inch of the main stem is still covered
- \_\_\_ 82. The following size trees were advertised in a wholesale catalog. which tree is the largest?
- a. 6 inch caliper
  - b. 18-24 inch whip
  - c. 5-6 feet
  - d. it is impossible to determine by the information provided
- \_\_\_ 83. A soil that contains nearly equal amounts of sand , silt, and clay is called a(n) \_\_\_\_\_
- a. sandy, silty, clay soil
  - b. loam
  - c. silty clay
  - d. equilaterally textured soil
- \_\_\_ 84. Which of these are NOT terms used for irrigation materials and equipment, or in irrigation calculations?
- a. velocity, pressure rated pipe, rotary head
  - b. precipitation rate, drip tubing, pop- up



head

- b. impact drive head, gear drive head, emitter d. pressure site, surge gate, micro header

- \_\_\_ 85. A common choice for producing plants in poorly drained sites is to:  
a. use raised beds c. install drying tubes  
b. incorporate clay into the site d. establish moisture zones
- \_\_\_ 86. Which of the following is a hybrid cross between a red maple and silver maple?  
a. *Acer x freemanii* c. *Acer rubrum* 'October glory'  
b. *Acer palmatum* d. *acer platanoides*
- \_\_\_ 87. Which of the following would need the most protection from hot and dry locations in the landscape, especially the hot afternoon sun?  
a. Gardenia c. Sweet Gum  
b. Red Maple d. Bermudagrass
- \_\_\_ 88. A good growing medium for potted crops contains solids, air, and water. The medium, by volume, should be \_\_\_ percent solids with balance made up of air and water.  
a. 30 to 50 c. 85 to 95  
b. 75 to 90 d. 95- 99
- \_\_\_ 89. Which of these in a home compost pile serves as an inoculant by adding beneficial microorganisms to the compost pile?  
a. plant parts killed by disease c. leaves  
b. topsoil d. limbs
- \_\_\_ 90. It is important to keep the air filter on a lawn mower clean and free of debris to:  
a. prevent crankcase fatigue c. prevent oil reservoir contamination  
b. keep the spark plug clean and in operating condition d. prevent dust and debris from entering the carburetor
- \_\_\_ 91. Which of the following statements is true about applying fertilizer to a lawn?  
a. lawn fertilizer should be applied as a dry, granular product c. modern lawn fertilizer should always be applied as a liquid  
b. it is best to apply fertilizer in the morning when the grass is wet from the morning dew d. it is a good practice to water-in fertilizer that is applied to the lawn in granular form
- \_\_\_ 92. The USDA Plant Hardiness Zone Map is based on the \_\_\_ for an area.  
a. minimum expected temperatures c. weather and soil characteristics  
b. maximum expected temperatures d. all of the above
- \_\_\_ 93. A Slow Moving Vehicle sign is required on the back of any farm vehicle or implement that travels on the road at less than 25 miles per hour. Which of these best describes a Slow Moving Vehicle sign?  
a. a sign with a yellow border and black center c. a fluorescent yellow-orange triangle with a dark red reflective border  
b. a green and white sign with the words 'Slow Moving Vehicle' in black lettering. d. a red sign with the reflective letters 'SMV' in the center
- \_\_\_ 94. The success of a compost pile in the process of decomposition can be estimated to some degree by the:  
a. amount of heat given off c. color of the exterior surface  
b. type of odor given off d. moisture generated in outer-most layers
- \_\_\_ 95. Auxin is:

- a. a growth inhibitor used in the production of dwarf landscape plants      c. a hormone produced in the Terminal bud; it accounts for apical dominance and is used in rooting cuttings
- b. the capital of Texas and an area known for landscape plant production      d. a pesticide used to control white flies and certain other insects or ornamentals
- \_\_\_ 96. A \_\_\_\_\_ is a material added to a liquid spray solution to reduce surface tension between the liquid and the leaf surface.
- a. pheromone      c. surfactant  
b. condensate      d. flocculent
- \_\_\_ 97. Which of these is a reason to recommend the selection of a grass seed blend of two or more grass species rather than the seed of a single species?
- a. the client has a combination of sunny and shady locations in the area to be planted      c. a blend of grass species helps reduce grass allergies  
b. the slight color contrast of different grass species adds interest to the landscape      d. grass blends are easier to irrigate and fertilize
- \_\_\_ 98. Which of these is sometimes planted to hold the soil in place until a permanent turfgrass can be established?
- a. Annual Ryegrass      c. Bentgrass  
b. Bermudagrass      d. Annual Bluegrass
- \_\_\_ 99. For maximum benefits and cost effectiveness, mulch is generally applied about \_\_\_ inch(es) deep.
- a. 1      c. 10  
b. 3-4      d. 10-16
- \_\_\_ 100. Soil sample cores from the lawn should be taken about \_\_\_ inch(es) deep.
- a. 1      c. 6  
b. 3      d. 14
- \_\_\_ 101. Locally owned, independent garden centers have found it difficult to compete with chain stores on price. In many cases, they have been able to remain competitive by providing:
- a. longer hours of operation      c. cleaner and brighter stores  
b. better guarantees      d. better service
- \_\_\_ 102. Which of these plants is most likely to survive in the landscape if temperatures go below freezing for extended periods?
- a. Wax Begonia      c. Striped Dracena  
b. Pansy      d. Benjamin Fig
- \_\_\_ 103. Which of the following hardiness zones is warmer than Zone 3?
- a. Zone 1      c. Zone B-2  
b. Zone A      d. Zone 6
- \_\_\_ 104. Which LD-50 rating listed is most toxic to humans?
- a. 17      c. 905  
b. 84      d. 1000
- \_\_\_ 105. Watering plants \_\_\_\_\_ will help reduce disease in nursery crops.
- a. late in the afternoon      c. in the late evening  
b. in the morning      d. in the early evening
- \_\_\_ 106. An advantage of using a landscape fabric around plantins rather than black polyethylene film is that landscape fabric:

- a. warms the root zone
  - b. eliminates the need for mulch
  - c. provides for the exchange of gases between soil and air
  - d. provides color to the landscape as desired
- \_\_\_ 107. Sand used in potting mixes for horticultural crops should generally be \_\_\_\_\_ textured.
- a. smooth
  - b. very fine
  - c. fine to medium
  - d. coarse
- \_\_\_ 108. In the commercial nursery trade, additions are often made to the binomial name of the plant, such as, 'Crimson King' to the name *Acer platanoides*. In this case, 'Crimson King' is the \_\_\_\_\_ name.
- a. species
  - b. cultivar
  - c. genus
  - d. order
- \_\_\_ 109. Ginkgo biloba is a tree known for its:
- a. excellent fall color
  - b. fragrant spring flowers
  - c. ease of transplanting
  - d. colorful, edible fruit
- \_\_\_ 110. The soil should be firmed around newly transplanted plants to prevent:
- a. drying of plant roots
  - b. soil heaving in winter
  - c. disease
  - d. insects from invading the soft soil
- \_\_\_ 111. A plant pathologist studies:
- a. diseases and insects of plants
  - b. plant propagation methods
  - c. plant diseases
  - d. adaptation of plants to the landscape
- \_\_\_ 112. Which of the following landscape materials is derived from a naturally occurring organic source?
- a. perlite
  - b. peat moss
  - c. pea gravel
  - d. vermiculite
- \_\_\_ 113. The most commonly used propagation method for shrubs such as Japanese and Chinese hollies is:
- a. layering
  - b. stem cutting
  - c. cleft grafting
  - d. root cutting
- \_\_\_ 114. in the most asymmetrical landscape designs when using fewer than 10 shrubs, they should be planted in:
- a. groups of two
  - b. even number groups
  - c. groups of four
  - d. odd number groups
- \_\_\_ 115. What are the major advantages of adding mulch around landscape plantings?
- a. conserve nutrients, prevent runoff, reduce disease, and prevent carbon dioxide loss
  - b. retain moisture, cool plant trunks, control disease, and store nutrients
  - c. control insects, improve aeration, control weeds, and provided air exchange
  - d. retain moisture, cool plant trunks, control disease, and store nutrients
- \_\_\_ 116. Field-grown trees are root pruned to:
- a. force more of the tree's energy into top growth
  - b. encourage a more compact root system
  - c. encourage tap root growth
  - d. prevent entanglement of roots with the roots of nearby plants
- \_\_\_ 117. A \_\_\_\_\_ plant that produces male flowers on one plant and female flower parts on another plant.
- a. staminate
  - b. monocious
  - c. diecious
  - d. gymnosperm
- \_\_\_ 118. Which of the following is correct about scalping lawns?

- a. Scalping is generally undesirable, occurring on uneven ground or when a mower blade is set too low
- b. Scalping is recommended to be done only one timer per year and in mid-summer
- c. Scalping is most beneficial if done in the fall
- d. Lawns in good condition need scalping only once every two or three years
- \_\_\_ 119. This nutrient is generally not tested for in soil tests. Instead, standard recommendations are given for its rate of application, depending on the plants or crop to be grown.
- a. nitrogen
- b. phosphorus
- c. potassium
- d. magnesium
- \_\_\_ 120. To assure a soil test covers most of the root zone, soil core samples should be taken to a depth about \_\_\_ inches.
- a. 2
- b. 3
- c. 6
- d. 14
- \_\_\_ 121. In what position should a deciduous tree be planted to shade a building from the hot afternoon sun during the summer and allow the warming sun rays to reach the building in winter?
- a. East
- b. North
- c. Northwest
- d. Southwest
- \_\_\_ 122. Iron deficiency in plants is exhibited by:
- a. yellowing between the leaf veins while the veins remain green.
- b. browning leaf margins
- c. pathogenic materials forming in the leaves
- d. leaves with a scorched appearance.
- \_\_\_ 123. The \_\_\_ of the front of the home is usually the front door, with plantings leading the viewers' eye toward the door.
- a. attractive focus
- b. social area
- c. focal point
- d. attention focus
- \_\_\_ 124. About \_\_\_ elements are considered essential nutrients for plant growth and development.
- a. 7
- b. 9
- c. 16
- d. 32
- \_\_\_ 125. Suppose a home, when viewed from the front, has the same architectural features on each side of the front door. A(n) \_\_\_ balanced landscape would fit this home best.
- a. symmetrically
- b. informally
- c. asymmetrically
- d. rhythmically
- \_\_\_ 126. An unthrifty potted plant that has dead roots at the bottom of the container but healthier roots near the top of the pot may indicate:
- a. that the pot has been overwatered for an extended period of time
- b. the drain holes in the pot are too large
- c. that the pot is too small for the plant
- d. under-fertilization over an extended period of time
- \_\_\_ 127. Plants to be used in interiorscapes are produced in conditions for best plant growth. Before being placed in interiorscapes, where the growing conditions will be less desirable, the plants should be \_\_\_ to the new environment.
- a. acclimated
- b. softened
- c. scaled
- d. espaliered

- \_\_\_ 128. Most plants do not grow well in wet, poorly drained soils because of:
- low oxygen content
  - high pH
  - excess nitrogen
  - low soil temperature
- \_\_\_ 129. The process of converting food energy into energy for plant growth is called:
- respiration
  - photosynthesis
  - acclimatization
  - transpiration
- \_\_\_ 130. Providing \_\_\_\_\_ is one technique often used to help speed up the rooting of cuttings.
- soil cooling
  - bottom heat
  - leaf heating
  - extra fertilizer
- \_\_\_ 131. Plant clones may be produced in several ways, including:
- stem cuttings
  - sexual and asexual reproduction
  - sexual propagation
  - seeds
- \_\_\_ 132. Herbicides may be classified as \_\_\_\_\_ based on the time of their application
- pre-selective or post-selective
  - pre-emergence or post-emergence
  - utility or general purpose
  - selective or nonselective
- \_\_\_ 133. Most plants grow best in soil with a pH range of \_\_\_\_\_.
- 3.5 to 5
  - 4 to 5
  - 6 to 6.5
  - 7 to 8
- \_\_\_ 134. When using a riding lawn mower on slopes, it is safer to mow:
- in a circular pattern on the slope
  - across the slope
  - diagonally across the slope
  - up and down the slope
- \_\_\_ 135. The best time of day to take stem cuttings of landscape plants for propagation is:
- mid-day
  - early morning
  - early evening
  - mid-afternoon
- \_\_\_ 136. To help assure grass seeds are distributed evenly during planting:
- use a drop spreader with a setting of seven
  - use a rotary spreader with a setting of nine
  - sow one-half of the seed by hand and one-half of the seed with a spreader
  - sow one-half the seed in one direction and sow one-half at right angles to the first direction of seeding
- \_\_\_ 137. As general rule, when applying liquid pesticides:
- spray just until the solution begins to drip slightly from the leaves
  - spray until approximately 1/3 of the solution applied has dripped from the plant.
  - apply two short blasts of spray to each area of the plant
  - apply three short blasts of spray to each area of the plant
- \_\_\_ 138. In landscape terms, which of the following best defines an invasive species?
- a native plant that grows rapidly, over-taking cultivated landscape plants
  - a non-native aggressive plant species that crowds-out native plants and other cultivated species
  - a plant species with an aggressive and extensive root system that clogs septic and water lines
  - any desirable plant

- \_\_\_ 139. The rooting medium for cuttings of most landscape plants should be:
- high in fertility
  - low in fertility
  - very fine textured
  - inorganic only
- \_\_\_ 140. Which of the following would be found on a four-cycle engine but not on a two-cycle engine?
- carburetor
  - oil tank
  - spark plug
  - fuel tank
- \_\_\_ 141. The term organic means:
- a material derived from plant or animal materials
  - better than non-organic products
  - safer than non-organic products
  - all of these
- \_\_\_ 142. Plants that are very tolerant of dry conditions are called:
- conifers
  - xerophytes
  - monocotyledonous
  - dicotyledonous
- \_\_\_ 143. When grafting, special attention is given to:
- matching the cambium layer of the rootstock with the cambium layer of the scion
  - making sure that the scion is smaller than the rootstock
  - selecting a scion that is at least two times larger than the rootstock
  - selecting scion wood from the same tree as the rootstock
- \_\_\_ 144. Should employees become injured or ill due to work-related causes, they can receive financial assistance through their state's \_\_\_\_\_ program.
- OSHA Reimbursement
  - Workers' Compensation
  - FEMA Assistance
  - APHIS Worker Assistance
- \_\_\_ 145. Which of the following are all fixed assets?
- land, buildings, cash-on-hand
  - buildings, inventory, bank balance
  - cash-on-hand, inventory, tractors
  - land, buildings, irrigation pond
- \_\_\_ 146. To prevent destroying good soil structure, do not till the soil:
- when it is humid
  - when it is very wet
  - when the moon is full
  - when the air temperature is below 30 F degrees or above 90 F degrees
- \_\_\_ 147. The depth seeds should be planted is determined mainly by:
- the size of the seeds
  - the depth of the flat
  - the viability of the seeds
  - all the above
- \_\_\_ 148. Xeriscaping is best defined as:
- the use of techniques to minimize landscape plants and maximize hardscape materials
  - the absence of landscaping
  - a type landscaping that utilizes techniques to conserve water
  - a landscape using mostly hardscape materials with no in-ground plants, and limited containerized plants
- \_\_\_ 149. When "orientalis" is used in the botanical name of a plant, it means that the plant:
- is native to, or originated in, eastern Asia
  - should be planted with a specific
  - is closely related to occidentalis plants
  - is a 'shade loving' plant

orientation

- \_\_\_ 150. Which federal agency was established to make the workplace safer?
- a. OSHA
  - b. EPA
  - c. USDA
  - d. APHIS
- \_\_\_ 151. A flower that has a stamen but is lacking a pistil is called a \_\_\_\_\_ flower.
- a. male
  - b. female
  - c. complete
  - d. radical
- \_\_\_ 152. Which of the following is NOT a guideline to used in planning and implementing an integrated pest management program (PM)?
- a. Use control that will cause the least amount of injury to the pest's natural enemies.
  - b. Use the control that has the least potential to cause harm to humans.
  - c. Use the control that is the safest no matter the cost or effectiveness.
  - d. Use the control that will cause the least damage to the environment.
- \_\_\_ 153. Which type of propagation would generally result in the greatest genetic variation?
- a. tip cuttings
  - b. seeds
  - c. root cuttings
  - d. air layering
- \_\_\_ 154. A \_\_\_\_\_ soil has the largest pore spaces, drains the quickest, and has the poorest nutrient holding ability.
- a. clay
  - b. sandy
  - c. clay loam
  - d. silt loam
- \_\_\_ 155. Which of these is the most difficult to control in an individual plant once the plant is infected?
- a. mildew
  - b. bacteria
  - c. fungi
  - d. virus
- \_\_\_ 156. The metabolic rate of most seed would be expected to slow down significantly when:
- a. stored in a cool, dry place
  - b. planted in moist soil
  - c. stored in humid and warm conditions
  - d. exposed to indirect sunlight
- \_\_\_ 157. Life in a good landscape topsoil contains all the following EXCEPT:
- a. worms
  - b. bacteria
  - c. aphids
  - d. fungi
- \_\_\_ 158. Lichens growing on a landscape plant are a sign that the plant is:
- a. declining in health or vigor.
  - b. under attack by the lichen organism.
  - c. is a slow growth modewhile preparing for winter
  - d. in a vigorous stage of growth.
- \_\_\_ 159. Plants such as ginkgo and holly that have only male or female flowers on a single plant are called
- a. imperfect
  - b. perfect
  - c. monecious
  - d. dioecious
- \_\_\_ 160. Water standing on a lawn for long periods of time is a sign of poor internal soil drainage, also known as:
- a. effective depth capacity.
  - b. continuity
  - c. soil tilth
  - d. permeability
- \_\_\_ 161. Slope of the land is an important factor in planning a landscape. Lawns with a slope over about \_\_\_\_\_ are a challenge to mow safely.
- a. 6 inches of fall in 100 feet
  - c. 2 percent









- \_\_\_ 197. The application of efficient, water-wise practices in the landscape to minimize water use is known as:
- zeroscaping
  - xeriscaping
  - microclimatizing
  - arboriculture
- \_\_\_ 198. In the landscape of a very large industrial building, the landscape designer placed trees in the front of the building in a “V” shape with the point of the V at the main entrance to the building. In this design she was using the straight lines of the V to:
- distract the viewer from the size of the building
  - lead the viewers eye to the entry
  - lead the viewers eye away from the entry to emphasize the size of the building
  - establish textural differences in the landscape
- \_\_\_ 199. The law dealing with the requirement to educate workers on chemical safety and to make workers aware of the chemical hazards in their work environment is known as the \_\_\_\_\_ law.
- MSDS
  - Right to Know
  - Workplace Hazards
  - Comprehensive Chemical Safety
- \_\_\_ 200. Which of the following best describes an attractive and easily maintained design for landscape beds and lawn areas?
- acute angles of less than 30 degrees with sloping lines
  - long, curved, sweeping bed lines with distinct edges
  - obtuse angles, straight bed lines
  - parallel lines with wide angles and narrow edging
- \_\_\_ 201. The purpose of a primer bulb or choke on a 4-cycle engine is to:
- supply extra fuel for starting
  - free the flywheel during maintenance
  - lubricate the fuel cell
  - prepare the engine for winterizing
- \_\_\_ 202. A landscaper should call 811 before beginning certain landscape projects to:
- obtain a permit before digging
  - request a check of proper zoning
  - request assistance in locating underground utilities
  - submit their environment impact license number and request EPA approval
- \_\_\_ 203. A common method of estimating potting soil moisture is to squeeze it in the palm of the hand. Which of the following best describes the proper moisture condition of soil for potting nursery crops?
- the soil appears very damp and drips water when squeezed lightly into a ball
  - the soil forms a ball easily and drips a few droplets of water when squeezed
  - the soil forms a ball when squeezed but does not drip water; the ball falls apart easily when pordded
  - the soil will not form a ball when squeezed, does not drip water, and does not appear to be damp
- \_\_\_ 204. Which of the following is NOT a term used in turf irrigation system installations?
- rain sensor
  - backflow prevention valve
  - pop-up sprinkler
  - vertical valve
- \_\_\_ 205. Which type of plant packaging provides the widest range of time that the plant can be transplanted?
- bare-root plants in plastic wrapped retail containers filled with peat moss
  - bare-root plants in peat moss with burlap wrapping
  - plants grown in nursery containers
  - balled and burlapped plants

- \_\_\_\_ 206. One of the best landscape plants for early spring color is:
- Hosta
  - Gaillardia
  - Crepe Myrtle
  - Azalea
- \_\_\_\_ 207. Which type of mower is generally used on golf greens for regular mowing?
- vertical mower
  - rotary mower
  - reel mower
  - flail mower
- \_\_\_\_ 208. Spark plugs are best removed from a mower engine with:
- a spark plug socket
  - a spark plug gap gage
  - spark plug pliers
  - a boxed-end wrench
- \_\_\_\_ 209. When planting a balled and burlapped tree, care should be given to unwrap or untie any materials tied around the trunk to prevent:
- guying
  - freezing damage
  - warping
  - girdling
- \_\_\_\_ 210. One way to make a tall house to appear lower is to:
- plant low shrubs close to the house
  - use very short shrubs in the foundation planting
  - frame the house with small trees
  - plant large rounded trees near the house
- \_\_\_\_ 211. When taking soil samples, take:
- samples from all areas of the plot and mix them together
  - one sample from each corner of the plot and mix them together
  - one sample from the center of the plot
  - samples 1-2 inches deep from the four corners and the center of the plot and mix them together
- \_\_\_\_ 212. Soils used for starting seeds and rooting cuttings in the nursery should be:
- sterilized
  - pasteurized
  - stratified
  - pressurized
- \_\_\_\_ 213. Which of the following is the most important factor in selecting foundation shrubs and other plants for the landscape?
- fall color
  - winter hardiness
  - fruit size
  - price
- \_\_\_\_ 214. Deciduous bare root plants obtained in the dormant season that cannot be planted immediately should be \_\_\_\_\_ to preserve them until they can be planted.
- layered
  - hardened-off
  - heeled-in
  - kapt at a minimum of 65 degrees F
- \_\_\_\_ 215. Landscape plants, especially during harvest and shipment, are often sprayed with antidesiccants to:
- encourage root development
  - reduce moisture loss from the leaves
  - increase nitrogen absorption
  - reduce water uptake
- \_\_\_\_ 216. The signal words \_\_\_\_\_ are used on chemical containers to indicate relative toxicity.
- Caution, Warning, Poison
  - Poison, Caution, Corrosive
  - Warning, Caution, Toxic
  - Caution, Warning, Danger
- \_\_\_\_ 217. Which of these plants would make the best accent or specimen plant?
- Eastern White Pine
  - an espaliered Pyracantha
  - Oakleaf Hydrangea
  - Flowering Dogwood

- \_\_\_ 218. Fertilizers made from animal or plant products or by-products are termed \_\_\_\_\_ fertilizers.
- a. inorganic
  - b. aggregate-based
  - c. organic
  - d. mineral
- \_\_\_ 219. If a plant catalog lists a plant in Plant Hardiness Zone 6, this means that the plant:
- a. is cold hardy only in the northern-most sections of the U.S.
  - b. does not do well in areas with temperatures above 90 degrees F.
  - c. is invasive and cannot be shipped to postal zones ending in 6.
  - d. does not do well in areas with minimum temperatures below -10 degrees F.
- \_\_\_ 220. Cuttings of plants that are difficult to root are often \_\_\_\_\_ to increase the surface area for rooting and applying rooting hormone.
- a. scarified
  - b. wounded
  - c. disbudded
  - d. girdled
- \_\_\_ 221. When possible, the best time to mow turf grasses is:
- a. when the grass is wet from dew, rain or irrigation.
  - b. when the grass is dry.
  - c. when the grass is 4-8 inches high.
  - d. between 10am and 3pm.
- \_\_\_ 222. A fertilizer with an analysis of 0-5-10 contains \_\_\_\_\_ percent potassium.
- a. 0
  - b. 5
  - c. 10
  - d. 15
- \_\_\_ 223. If a plant does not “breed true” from seeds, you would expect:
- a. genetic variation in the offspring.
  - b. most of the offspring to exhibit hybrid vigor.
  - c. the offspring to be sterile.
  - d. most of the offspring to be of average quality.
- \_\_\_ 224. Why do most instructions for constructing a compost pile include applying a thin layer of topsoil?
- a. to supply microorganisms
  - b. to weigh down the layers of organic matter and supply moisture
  - c. to assure consistency of the finished product
  - d. to provide a crust layer to maintain heat
- \_\_\_ 225. Coloring is often added to liquid horticultural fertilizers to indicate:
- a. inorganic content
  - b. relative concentration
  - c. nitrogen content
  - d. organic content
- \_\_\_ 226. One of the big advantages of using compost as a fertilizer is that it also \_\_\_\_\_ of the soil.
- a. improves the structure
  - b. decreases the temperature
  - c. increases the mineral content
  - d. raises the water table
- \_\_\_ 227. Insects are categorized into two major feeding types for control purposes. These are:
- a. leaf and xylem feeders
  - b. chewing and sucking feeders
  - c. abrasion and epidermis feeders
  - d. shredding and thatching feeders
- \_\_\_ 228. Soil pH refers to the \_\_\_\_\_ of the soil
- a. acidity or alkalinity
  - b. permeability
  - c. clay content
  - d. phosphorus content
- \_\_\_ 229. It is generally best to prune deciduous trees during:
- a. late summer after leaves are mature
  - b. late winter before bud break



- \_\_\_\_ 241. Which of these is not a common payroll deduction for employees?
- a. social security
  - b. state income tax
  - c. federal income tax
  - d. property tax
- \_\_\_\_ 242. Nutsedge is difficult to control by hand-pulling, hoeing, or tilling because nutsedge:
- a. constantly produces underground seeds that are difficult to kill
  - b. propagates from underground tubers and rhizomes.
  - c. propagates by spores that are easily spread in the air when the plant is disturbed
  - d. can grow easily from leaf-piece cuttings left after hoeing or tilling.
- \_\_\_\_ 243. Which of the following is the least desirable material to use as a soil amendment?
- a. composted leaves
  - b. composted manure
  - c. fresh saw dust
  - d. peat moss
- \_\_\_\_ 244. A common fungal disease infecting newly germinated seeds and seedlings is:
- a. black spot
  - b. mosaic virus
  - c. damping-off
  - d. fire blight
- \_\_\_\_ 245. Covering newly seeded areas with straw helps:
- a. hold in moisture
  - b. control erosion from soil splash
  - c. slow water runoff
  - d. all the above
- \_\_\_\_ 246. A desirable soil should contain about:
- a. 25% air, 25% water, 50% solid material
  - b. 10% air, 10% water, 80% solid material
  - c. 50% air, 25% water, 25% solid material
  - d. 5% air, 5% water, 90% solid material
- \_\_\_\_ 247. The soil pH range in which landscape plants grow best varies by plant type, but most plants grow well in the range of:
- a. 5.5 to 6.5 pH
  - b. 3.5 to 4.5 pH
  - c. 6.5 to 8.5 pH
  - d. 7.5 to 9 pH
- \_\_\_\_ 248. Most of the feeding roots of a tree can be found between \_\_\_\_\_ inches deep.
- a. 1 and 12
  - b. 10 and 30
  - c. 10 and 50
  - d. 10 and 60
- \_\_\_\_ 249. Many insect traps use \_\_\_\_\_ to trap insects.
- a. water
  - b. cool air
  - c. nectar
  - d. sex attractants
- \_\_\_\_ 250. The most important benefit of using mulch around landscape plants is to:
- a. add nutrients to the soil
  - b. conserve soil moisture
  - c. recycle waste material
  - d. moderate soil texture

**N-L Test Bank A**  
**Answer Section**

**MULTIPLE CHOICE**

1. ANS: D                   PTS: 1
2. ANS: A                   PTS: 1
3. ANS: A                   PTS: 1
4. ANS: B                   PTS: 1
5. ANS: D                   PTS: 1
6. ANS: D                   PTS: 1
7. ANS: B                   PTS: 1
8. ANS: A                   PTS: 1
9. ANS: A                   PTS: 1
10. ANS: A                   PTS: 1
11. ANS: C                   PTS: 1
12. ANS: B                   PTS: 1
13. ANS: D                   PTS: 1
14. ANS: B                   PTS: 1
15. ANS: C                   PTS: 1
16. ANS: D                   PTS: 1
17. ANS: B                   PTS: 1
18. ANS: D                   PTS: 1
19. ANS: C                   PTS: 1
20. ANS: B                   PTS: 1
21. ANS: D                   PTS: 1
22. ANS: B                   PTS: 1
23. ANS: D                   PTS: 1
24. ANS: A                   PTS: 1
25. ANS: A                   PTS: 1
26. ANS: A                   PTS: 1
27. ANS: C                   PTS: 1
28. ANS: D                   PTS: 1
29. ANS: A                   PTS: 1
30. ANS: A                   PTS: 1
31. ANS: D                   PTS: 1
32. ANS: B                   PTS: 1
33. ANS: A                   PTS: 1
34. ANS: C                   PTS: 1
35. ANS: C                   PTS: 1
36. ANS: A                   PTS: 1
37. ANS: B                   PTS: 1
38. ANS: A                   PTS: 1
39. ANS: D                   PTS: 1
40. ANS: B                   PTS: 1
41. ANS: D                   PTS: 1



42.	ANS: B	PTS: 1
43.	ANS: A	PTS: 1
44.	ANS: B	PTS: 1
45.	ANS: A	PTS: 1
46.	ANS: D	PTS: 1
47.	ANS: C	PTS: 1
48.	ANS: B	PTS: 1
49.	ANS: B	PTS: 1
50.	ANS: C	PTS: 1
51.	ANS: A	PTS: 1
52.	ANS: A	PTS: 1
53.	ANS: D	PTS: 1
54.	ANS: B	PTS: 1
55.	ANS: A	PTS: 1
56.	ANS: C	PTS: 1
57.	ANS: C	PTS: 1
58.	ANS: C	PTS: 1
59.	ANS: D	PTS: 1
60.	ANS: D	PTS: 1
61.	ANS: B	PTS: 1
62.	ANS: A	PTS: 1
63.	ANS: A	PTS: 1
64.	ANS: D	PTS: 1
65.	ANS: C	PTS: 1
66.	ANS: B	PTS: 1
67.	ANS: A	PTS: 1
68.	ANS: B	PTS: 1
69.	ANS: D	PTS: 1
70.	ANS: C	PTS: 1
71.	ANS: B	PTS: 1
72.	ANS: D	PTS: 1
73.	ANS: C	PTS: 1
74.	ANS: A	PTS: 1
75.	ANS: A	PTS: 1
76.	ANS: D	PTS: 1
77.	ANS: B	PTS: 1
78.	ANS: B	PTS: 1
79.	ANS: D	PTS: 1
80.	ANS: A	PTS: 1
81.	ANS: C	PTS: 1
82.	ANS: A	PTS: 1
83.	ANS: B	PTS: 1
84.	ANS: D	PTS: 1
85.	ANS: A	PTS: 1
86.	ANS: A	PTS: 1
87.	ANS: A	PTS: 1
88.	ANS: A	PTS: 1

89.	ANS: B	PTS: 1
90.	ANS: D	PTS: 1
91.	ANS: D	PTS: 1
92.	ANS: A	PTS: 1
93.	ANS: C	PTS: 1
94.	ANS: A	PTS: 1
95.	ANS: C	PTS: 1
96.	ANS: C	PTS: 1
97.	ANS: A	PTS: 1
98.	ANS: A	PTS: 1
99.	ANS: B	PTS: 1
100.	ANS: C	PTS: 1
101.	ANS: D	PTS: 1
102.	ANS: B	PTS: 1
103.	ANS: D	PTS: 1
104.	ANS: A	PTS: 1
105.	ANS: B	PTS: 1
106.	ANS: C	PTS: 1
107.	ANS: D	PTS: 1
108.	ANS: B	PTS: 1
109.	ANS: A	PTS: 1
110.	ANS: A	PTS: 1
111.	ANS: C	PTS: 1
112.	ANS: B	PTS: 1
113.	ANS: B	PTS: 1
114.	ANS: D	PTS: 1
115.	ANS: B	PTS: 1
116.	ANS: B	PTS: 1
117.	ANS: C	PTS: 1
118.	ANS: A	PTS: 1
119.	ANS: A	PTS: 1
120.	ANS: C	PTS: 1
121.	ANS: D	PTS: 1
122.	ANS: A	PTS: 1
123.	ANS: C	PTS: 1
124.	ANS: C	PTS: 1
125.	ANS: A	PTS: 1
126.	ANS: A	PTS: 1
127.	ANS: A	PTS: 1
128.	ANS: A	PTS: 1
129.	ANS: A	PTS: 1
130.	ANS: B	PTS: 1
131.	ANS: A	PTS: 1
132.	ANS: B	PTS: 1
133.	ANS: C	PTS: 1
134.	ANS: D	PTS: 1

135.	ANS: B	PTS: 1
136.	ANS: D	PTS: 1
137.	ANS: A	PTS: 1
138.	ANS: B	PTS: 1
139.	ANS: B	PTS: 1
140.	ANS: B	PTS: 1
141.	ANS: A	PTS: 1
142.	ANS: B	PTS: 1
143.	ANS: A	PTS: 1
144.	ANS: B	PTS: 1
145.	ANS: D	PTS: 1
146.	ANS: B	PTS: 1
147.	ANS: A	PTS: 1
148.	ANS: C	PTS: 1
149.	ANS: A	PTS: 1
150.	ANS: A	PTS: 1
151.	ANS: A	PTS: 1
152.	ANS: C	PTS: 1
153.	ANS: B	PTS: 1
154.	ANS: B	PTS: 1
155.	ANS: D	PTS: 1
156.	ANS: A	PTS: 1
157.	ANS: C	PTS: 1
158.	ANS: A	PTS: 1
159.	ANS: D	PTS: 1
160.	ANS: D	PTS: 1
161.	ANS: D	PTS: 1
162.	ANS: C	PTS: 1
163.	ANS: A	PTS: 1
164.	ANS: A	PTS: 1
165.	ANS: C	PTS: 1
166.	ANS: D	PTS: 1
167.	ANS: B	PTS: 1
168.	ANS: A	PTS: 1
169.	ANS: B	PTS: 1
170.	ANS: C	PTS: 1
171.	ANS: B	PTS: 1
172.	ANS: C	PTS: 1
173.	ANS: D	PTS: 1
174.	ANS: B	PTS: 1
175.	ANS: C	PTS: 1
176.	ANS: D	PTS: 1
177.	ANS: A	PTS: 1
178.	ANS: B	PTS: 1
179.	ANS: D	PTS: 1
180.	ANS: D	PTS: 1
181.	ANS: B	PTS: 1

182.	ANS: A	PTS: 1
183.	ANS: C	PTS: 1
184.	ANS: C	PTS: 1
185.	ANS: A	PTS: 1
186.	ANS: B	PTS: 1
187.	ANS: C	PTS: 1
188.	ANS: C	PTS: 1
189.	ANS: A	PTS: 1
190.	ANS: A	PTS: 1
191.	ANS: C	PTS: 1
192.	ANS: A	PTS: 1
193.	ANS: D	PTS: 1
194.	ANS: C	PTS: 1
195.	ANS: C	PTS: 1
196.	ANS: A	PTS: 1
197.	ANS: B	PTS: 1
198.	ANS: B	PTS: 1
199.	ANS: B	PTS: 1
200.	ANS: B	PTS: 1
201.	ANS: A	PTS: 1
202.	ANS: C	PTS: 1
203.	ANS: C	PTS: 1
204.	ANS: D	PTS: 1
205.	ANS: C	PTS: 1
206.	ANS: D	PTS: 1
207.	ANS: C	PTS: 1
208.	ANS: A	PTS: 1
209.	ANS: D	PTS: 1
210.	ANS: D	PTS: 1
211.	ANS: A	PTS: 1
212.	ANS: B	PTS: 1
213.	ANS: B	PTS: 1
214.	ANS: C	PTS: 1
215.	ANS: B	PTS: 1
216.	ANS: D	PTS: 1
217.	ANS: B	PTS: 1
218.	ANS: C	PTS: 1
219.	ANS: D	PTS: 1
220.	ANS: B	PTS: 1
221.	ANS: B	PTS: 1
222.	ANS: C	PTS: 1
223.	ANS: A	PTS: 1
224.	ANS: A	PTS: 1
225.	ANS: B	PTS: 1
226.	ANS: A	PTS: 1
227.	ANS: B	PTS: 1

228. ANS: A PTS: 1  
229. ANS: C PTS: 1  
230. ANS: A PTS: 1  
231. ANS: C PTS: 1  
232. ANS: B PTS: 1  
233. ANS: B PTS: 1  
234. ANS: B PTS: 1  
235. ANS: D PTS: 1  
236. ANS: A PTS: 1  
237. ANS: C PTS: 1  
238. ANS: B PTS: 1  
239. ANS: D PTS: 1  
240. ANS: A PTS: 1  
241. ANS: D PTS: 1  
242. ANS: B PTS: 1  
243. ANS: C PTS: 1  
244. ANS: C PTS: 1  
245. ANS: D PTS: 1  
246. ANS: A PTS: 1  
247. ANS: A PTS: 1  
248. ANS: A PTS: 1  
249. ANS: D PTS: 1  
250. ANS: B PTS: 1