**Floriculture**

**MULTIPLE CHOICE**

 1. Growers commonly use three types of pinches: \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | soft pinch, hard pinch, cutting back | c. | deep pinch, general pinch, forward cutting |
| b. | angled pinch, quick pinch, sharp pinch | d. | early pinch, mid-pinch, high pinch |

ANS: A PTS: 1

 2. New businesses should realize that it usually requires \_\_\_\_\_\_\_\_\_\_\_\_\_ for the business to show a profit and owners should plan accordingly.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 3 to 5 months | c. | 1 to 3 years |
| b. | 15 to 24 months | d. | 3 to 5 years |

ANS: D PTS: 1

 3. What is the proper term to describe the cold treatment, which lasts several weeks and precedes initiation of flower buds?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Pot cooling | c. | Case cooling |
| b. | Vernalization | d. | CTF Cooling |

ANS: B PTS: 1

 4. A \_\_\_\_\_\_\_ is defined as having a \_\_\_\_\_\_\_ occurring, unique set of characteristics and is separated from other closely related species by location, flowering time and so on.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | plant species, naturally | c. | commercial plant, unnatural |
| b. | root system, naturally  | d. | plant species, fabricated |

ANS: A PTS: 1

 5. Phalaneopsis is a genus within the Orchidaceae family. It is most widely\_\_\_\_\_\_\_\_\_ and most important commercial genus in the orchid family.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | propagated | c. | sold |
| b. | planted | d. | segregated |

ANS: A PTS: 1

 6. \_\_\_\_\_\_\_\_\_\_\_ are the most profitable major holiday potplant crop produced.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Christmas Peppers | c. | Valentine Roses |
| b. | Poinsettias | d. | Easter Lilies |

ANS: D PTS: 1

 7. \_\_\_\_\_\_\_\_ artificially accelerates a plants \_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Pinching, branching | c. | Squeezing, seeding |
| b. | Squeezing, branching | d. | Pinching, seeding |

ANS: A PTS: 1

 8. The cornucopia, or horn of plenty, has been used for centuries as a symbol of \_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | fruitfulness | c. | distinction |
| b. | abundance | d. | love |

ANS: B PTS: 1

 9. The right-triangular, or asymmetrical, floral design is constructed in the manner similar to the \_\_\_\_\_\_\_\_\_\_\_ design.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | asymmetrical balance | c. | mechanical balance |
| b. | equilateral-triangle | d. | triad |

ANS: B PTS: 1

 10. \_\_\_\_\_\_\_\_ makes an excellent centerpiece because it is attractive when viewed from either front or back.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Horizontal design | c. | Asymmetrical balance |
| b. | Right triangle | d. | Tuzzy-muzzy |

ANS: A PTS: 1

 11. The circular shape of the Colonial bouquet is very popular with brides. This style is fashioned after the nosegay design designs of the English Georgian and earlier French handheld floral pieces called the\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | horizontal design | c. | asymmetrical balance |
| b. | right triangle | d. | Tuzzy-muzzy |

ANS: D PTS: 1

 12. Ripening fruits, vegetables, and \_\_\_\_\_\_\_\_\_ plant debris are all sources of ethylene gas- which can be harmful to Orchids.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | living | c. | decaying |
| b. | filler | d. | floral |

ANS: C PTS: 1

 13. Filler flowers add a finishing touch to an arrangement. The two types of filler flowers used in flower arrangements are \_\_\_\_\_\_\_and\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | feather, wax | c. | wax, bunch |
| b. | bunch, feather | d. | none of the above |

ANS: B PTS: 1

 14. Linear materials are those that grow into the shape of a tall spire or strike. They are usually tall and slender. Often they are \_\_\_\_\_\_\_\_ below the tip but taper definitely to a point at the top, much like a \_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | fluffy, ice cream cone | c. | round, mountain peak |
| b. | full, church steeple | d. | full, mountain peak |

ANS: B PTS: 1

 15. The American style of flower arranging is based on the \_\_\_\_\_\_ element of design.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 2 | c. | 6 |
| b. | 4 | d. | 7 |

ANS: C PTS: 1

 16. What are the three kinds of traditional flower arrangements recognized today in America by flower arrangers and the National Council of State Garden Clubs?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | line, mass, line-mass | c. | naturalistic, free-form, abstract |
| b. | line, naturalistic, abstract | d. | free-form, abstract, mass |

ANS: A PTS: 1

 17. Who first developed the “rules” of the floral design?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | French of the Industrial Era | c. | Greeks of the Roman Era |
| b. | Indians of the Columbus Era | d. | English of the Victoria Era |

ANS: D PTS: 1

 18. \_\_\_\_\_\_\_ is represented by strong geometric lines and forms. They are highly stylized and are often thought to mimic Egyptian and Aztec cultures as well as being influenced by the contemporary society.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Art Nouveau | c. | Art Classified |
| b. | Art Bonified | d. | Art Deco |

ANS: D PTS: 1

 19. \_\_\_\_\_\_\_is curvilinear lines, cascading works, with nature’s patterns of plants and flowers depicted either in the arrangement or in the container.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Art Nouveau  | c. | Art Classified |
| b. | Art Bonified | d. | Art Deco |

ANS: A PTS: 1

 20. The most common type of florist ribbon used is a waterproof \_\_\_\_\_\_\_\_\_\_\_\_\_ with a \_\_\_\_\_\_\_\_\_\_\_ edge.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | unsanitized acetate, fused | c. | sanitized acetate, fused |
| b. | nylon ribbon, round | d. | nylon ribbon, sharp |

ANS: C PTS: 1

 21. Tertiary colors are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ mixture of a primary and secondary color next to it.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | unequal | c. | 3:1 ratio |
| b. | 1:2 ratio | d. | equal |

ANS: D PTS: 1

 22. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ harmony combines three colors equi-distant on the wheel forming a triangle such as red, blue, and yellow

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Tetrad | c. | Complementary |
| b. | Triadic | d. | Monochromatic |

ANS: B PTS: 1

 23. The most important consideration in setting up an irrigation system is water \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | pressure | c. | quality |
| b. | concentration | d. | volume |

ANS: C PTS: 1

 24. One of the most important factors is the electrical conductivity (EC), a measure of soluble salts. Water with a low EC, \_\_\_\_\_\_\_\_\_\_\_\_\_ mS/cm, will give the greatest number irrigation options and will help reduce future problems from the accumulation of high soluble salts in the root medium.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 6.0-7.0 | c. | 0.1-0.5 |
| b. | 0.8-2.0 | d. | 2.0-2.8 |

ANS: C PTS: 1

 25. Foliar analysis is especially useful when you need to determine \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ levels in the plant.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | micronutrient | c. | both a and b |
| b. | macronutrient | d. | neither a or b |

ANS: A PTS: 1

 26. Bonzi is one of the more \_\_\_\_\_\_\_\_\_\_\_\_ PGRs ( plant growth regulators)

|  |  |  |  |
| --- | --- | --- | --- |
| a. | inactive | c. | limited |
| b. | differential | d. | active |

ANS: D PTS: 1

 27. For the traditional florist, the term “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_” is meant to promote the sale of flowers by offering a variety of products in a variety of ways.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | flower design | c. | retailer |
| b. | wholesale | d. | marketing |

ANS: D PTS: 1

 28. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a philosophy, a way of thinking that puts the consumer at the center of attention.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | marketing | c. | floral designing |
| b. | retailing | d. | none of the above |

ANS: A PTS: 1

 29. Roses require special handling and, after cutting stems \_\_\_\_\_\_\_\_\_\_, they should be placed in a commercially available \_\_\_\_\_\_\_\_ solution which \_\_\_\_\_\_\_ the water acidity and speeds the uptake of water.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | underwater, preservative, raises | c. | underwater, hydrating, lowers |
| b. | horizontally, preservative, lowers | d. | none of the above |

ANS: C PTS: 1

 30. \_\_\_\_\_\_\_\_ are green plastic tube-like reservoirs with rubber caps, into which the flower stem is inserted.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | wood picks | c. | water picks |
| b. | metal picks | d. | designer pick |

ANS: C PTS: 1

 31. \_\_\_\_\_\_\_\_\_ attached with a heavy-duty picking machine. a sharp, pointed, barbed shaft is attached to the flower or foliage.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | wood picks | c. | water picks |
| b. | metal picks | d. | designer pick |

ANS: B PTS: 1

 32. \_\_\_\_\_\_\_\_ available in green and natural colors. They are pointed on one end for easy insertion with or without attached wires on the other side.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | wood picks | c. | water picks |
| b. | metal picks | d. | designer pick |

ANS: A PTS: 1

 33. \_\_\_\_\_\_\_\_\_\_\_ involve tubing that provides water to individual pots.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | flow benches | c. | tray mechanization |
| b. | spaghetti tubes | d. | capillary matts |

ANS: B PTS: 1

 34. \_\_\_\_\_\_\_\_\_\_\_ is obtained from nature and is the result of weathered rocks.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | plant nutrition | c. | mineral soil |
| b. | macro-nutrients | d. | none of the above |

ANS: C PTS: 1

 35. Calcium, magnesium, and sulfur are said to be \_\_\_\_\_\_\_\_\_\_ macro-nutrients because plants need moderate amounts.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | primary  | c. | slow release |
| b. | secondary | d. | none of the above |

ANS: B PTS: 1

 36. Plant growth is dependent on \_\_\_\_\_ essential elements, often referred to as nutrients.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 9 | c. | 3 |
| b. | 13 | d. | 17 |

ANS: D PTS: 1

 37. Wavelengths are measured in\_\_\_\_\_\_\_ with specific wavelengths corresponding to specific \_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | nanometers, color | c. | centimeters, weight |
| b. | kilometers, size | d. | pedometers, width |

ANS: A PTS: 1

 38. Modern \_\_\_\_\_\_\_\_ cultivars come in an astonishing variety of colors, color combinations, and petal styles (spoon, quill, and flat).

|  |  |  |  |
| --- | --- | --- | --- |
| a. | dianthus caryophyllus (carnations) | c. | chrysanthemum (daisy) |
| b. | Helianthus annus L. (sunflower) | d. | dahlias |

ANS: C PTS: 1

 39. Dahlias are native to the mountains of \_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Mexico | c. | Ireland |
| b. | Switzerland  | d. | New England |

ANS: A PTS: 1

 40. When spores germinate, they form a small \_\_\_\_\_\_\_ leaf like structure known as the prothallus.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | black | c. | green |
| b. | yellow | d. | brown |

ANS: C PTS: 1

 41. \_\_\_\_\_\_\_is any method of breaking through hard, water-impermeable seed coats to allow water to penetrate.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Seed hydration | c. | Stratification |
| b. | Vernalization | d. | Scarification |

ANS: D PTS: 1

 42. Disadvantages to pre-germination are limited shelf life of \_\_\_\_\_\_\_, limited selection, and limited cost.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 6 to 8 weeks | c. | 4 to 5 weeks |
| b. | 4 to 5 days | d. | 6 to 8 days |

ANS: B PTS: 1

 43. \_\_\_\_\_\_\_\_\_ were historically the first people to use flowers for decorative purposes.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Egyptians | c. | Europeans |
| b. | Japanese | d. | Greeks and Romans |

ANS: A PTS: 1

 44. The strewing of flowers and loose petals at banquets and festivals was typical of the \_\_\_\_\_\_\_\_ period.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Egyptian | c. | Japanese |
| b. | Greek and Roman | d. | Italian Renaissance |

ANS: B PTS: 1

 45. The \_\_\_\_\_\_\_ period is considered the beginning of the flower arranging as it is known today.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Egyptian | c. | Japanese |
| b. | Greek and Roman | d. | Italian Renaissance |

ANS: D PTS: 1

 46. The point at which the plant is receiving as much light energy as it can use is the \_\_\_\_\_\_\_ point.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Light completion | c. | Light compensation |
| b. | Light saturation | d. | Light fabrication |

ANS: B PTS: 1

 47. The Antirrhinum majus is also known as the \_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Snapdragon | c. | Daisy |
| b. | Poinsettia | d. | Carnation |

ANS: A PTS: 1

 48. Floriculture is defined literally as “\_\_\_\_\_\_\_\_” but includes florist shops, flower retailers, wholesale florist, production greenhouses and floral supply companies.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | culture of flowers | c. | culture of horticulture |
| b. | industry of flowers  | d. | culture of floral arranging |

ANS: A PTS: 1

 49. Treated seed virtually \_\_\_\_\_\_\_ viral, fungal, and bacterial disease at the time of planting, greatly \_\_\_\_\_\_\_\_\_\_\_\_\_\_ disease in professional grower products.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | creates, eliminating | c. | creates, increasing |
| b. | initiates, increasing | d. | eliminates, reducing |

ANS: D PTS: 1

 50. Many growers apply a shading compound or shade cloth from \_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_ to reduce heat stress that results from high light levels entering the greenhouse.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | late spring, early fall | c. | late summer, late fall |
| b. | early fall, early spring | d. | late winter, early summer |

ANS: A PTS: 1

 51. Sympathy flowers are important to \_\_\_\_\_\_\_\_\_\_\_\_\_ the deceased and \_\_\_\_\_\_\_\_\_\_\_ the living.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | grieve, inspire | c. | express, remind |
| b. | grieve, express | d. | honor, comfort |

ANS: D PTS: 1

 52. Floral arrangements designed with visual paths along which the eye is led from one point of interest to another are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | line arrangements | c. | mass arrangements |
| b. | abstract arrangement | d. | naturalistic arrangement |

ANS: A PTS: 1

 53. There is an abbreviation for the mathematical differences between the day temperature and the night temperature. Identify that abbreviation.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | AM-PM | c. | DT/NT |
| b. | DIF | d. | NT+DT |

ANS: B PTS: 1

 54. The conductive tissue in the stem that transports water and minerals from roots to the leaves is called the \_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | pistil | c. | xylem |
| b. | stigma  | d. | pedicel |

ANS: C PTS: 1

 55. A \_\_\_\_\_\_\_\_\_\_\_ is defined as having a \_\_\_\_\_\_\_\_\_\_\_\_ occurring, unique set of characteristics and is separated from other closely related species by location, flowering time and so on.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | plant species, naturally | c. | commercial plant, unnatural |
| b. | root system, naturally | d. | plant species, fabricated |

ANS: A PTS: 1

 56. \_\_\_\_\_\_\_ \_\_\_\_\_\_\_, identified by yellowing or interveinal chlorosis of young leaves, is the primary problem for plants growing in a \_\_\_\_\_\_\_\_ pH medium.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | iron deficiency, high | c. | magnesium deficiency, high |
| b. | nitrogen levels, low | d. | calcium deficiency, low |

ANS: A PTS: 1

 57. The principal of total compatibility of all parts of an arrangement with each other is termed \_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | proportion | c. | harmony |
| b. | texture | d. | rhythm |

ANS: D PTS: 1

 58. Day length is the shortest on \_\_\_\_\_\_\_ and increases until \_\_\_\_\_\_\_\_\_; thereafter it decreases.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | January 7, July 7 | c. | December 21, June 21 |
| b. | December 12, June 12 | d. | November 30, June 30 |

ANS: C PTS: 1

 59. All but one of the following is easily suitable for pressing. Which one is not suitable?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | dusty miller  | c. | daffodil |
| b. | pansies | d. | African violet |

ANS: C PTS: 1

 60. There are certain soil requirements for building a terrarium. Too much soil looks heavy, while too little soil will not hold the root system. In general, what is the correct amount of soil in relation to the height of the container?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 66% | c. | 45% |
| b. | 25% | d. | 75% |

ANS: B PTS: 1

 61. Natural photoperiods vary during the year and by \_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | synergy level | c. | latitude |
| b. | moon position | d. | greenhouse glazing |

ANS: C PTS: 1

 62. The colonial bouquet is a \_\_\_\_\_\_\_\_\_\_ bouquet that is popular for both \_\_\_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | round, brides, bridesmaid’s | c. | round, ring bearer, ushers |
| b. | triangular, brides, grooms | d. | square, flower girl, pew |

ANS: A PTS: 1

 63. A grouping of different types of plants potted in the same container is known as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | casket saddle  | c. | full couch spray |
| b. | fireside basket | d. | dish garden |

ANS: D PTS: 1

 64. The foundation for a casket spray is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | casket saddle | c. | dish garden |
| b. | paper- mache | d. | none of the above |

ANS: A PTS: 1

 65. The part of the flower that supports the anther is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | stigma | c. | ovary |
| b. | style | d. | filament |

ANS: D PTS: 1

 66. The part of the flower that develops into the fruit is the \_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | stigma | c. | ovary |
| b. | style | d. | filament |

ANS: C PTS: 1

 67. The \_\_\_\_\_\_\_\_\_\_\_ protects the petals as they are young and is located on the underside of the flower.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | stamen | c. | sepal |
| b. | stigma | d. | axillary bud |

ANS: C PTS: 1

 68. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an organized business tool to state the business purpose and goals and estimate the financing needed to fund the new florist.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | gray market | c. | demographic study |
| b. | business plan | d. | income forecast |

ANS: B PTS: 1

 69. The leading floriculture production states are \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | California, Kansas, Oklahoma | c. | California, Florida, Texas |
| b. | Texas, Florida, Iowa | d. | Florida, California, Canada |

ANS: C PTS: 1

 70. When should plants be watered?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | just before sunrise | c. | just before wilting or water stress occurs |
| b. | mid-day with the sun overhead | d. | right when leaves start to fall  |

ANS: C PTS: 1

 71. The optimum pH range for most crops growing in a soilless medium is \_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 1.4 - 4.8 | c. | 6.5 - 7.9  |
| b. | 5.8 - 6.4  | d. | 3.5 - 4.4 |

ANS: B PTS: 1

 72. Roses generally are graded according to \_\_\_\_\_\_\_\_\_\_ of stem.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Width | c. | Fullness |
| b. | Length | d. | Water Weight |

ANS: B PTS: 1

 73. A creative art form using space along with line, form, color, and texture to create the floral arrangements by using plant material and other components.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | asymmetrical balance | c. | abstract design |
| b. | background | d. | free standing |

ANS: C PTS: 1

 74. A new concept in creative art form free from conventional ideas and patterns, nongeometric.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | free-form design | c. | accent  |
| b. | flower arranging  | d. | abstract design  |

ANS: A PTS: 1

 75. An all around arrangement to be viewed from all sides.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | flower arranging  | c. | free standing |
| b. | asymmetrical balance  | d. | novelty |

ANS: C PTS: 1

 76. Probably the most influential factor in advancing flower arrangement in this country has been the \_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | In bloom Again Forest | c. | National Council of State Garden Clubs |
| b. | The Garden Club of America | d. | Federated Garden Clubs of America |

ANS: C PTS: 1

 77. The American Style of flower arrangement stresses clear cut designs, \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, and \_\_\_\_\_ of expression.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | spiritual feelings, texture, hint | c. | origin, space, color |
| b. | plant forms, originality, freedom  | d. | free stance, color, touch |

ANS: B PTS: 1

 78. In any style of flower arranging, past or present, American, European, or Oriental, there are \_\_\_\_\_\_\_\_\_\_\_ to be considered \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 3 design elements | c. | 6 design elements |
| b. | 5 principle elements | d. | 7 principle elements |

ANS: C PTS: 1

 79. The Easter Lily crop is difficult to grow because, ..........

|  |  |  |  |
| --- | --- | --- | --- |
| a. | the Easter Lily is so very delicate. | c. | Easter falls on a different date each year. |
| b. | the Easter Lily can only bloom one week before Easter. | d. | Easter is based on a Christian celebration |

ANS: C PTS: 1

 80. High humidity in the greenhouse causes plugs to \_\_\_\_\_ and be soft due to lack of \_\_\_\_\_ uptake

|  |  |  |  |
| --- | --- | --- | --- |
| a. | stretch, oxygen | c. | shrink, calcium |
| b. | shrink, nitrogen | d. | stretch, calcium |

ANS: D PTS: 1

 81. Gladioli species and the cultivars produce a multi-flowered inflorescence that can contain \_\_\_\_ to\_\_\_\_ florets.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 2, 9  | c. | 10, 25 |
| b. | 3, 13 | d. | 26, 35 |

ANS: C PTS: 1

 82. \_\_\_\_\_\_\_, or satin flower has been transformed from a unique and uncommon garden plant into a dependable cut flower for greenhouse and field production and for pot plant production.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Godetia  | c. | Gomphrena  |
| b. | Gladiolus | d. | Geranium  |

ANS: B PTS: 1

 83. Azaleas are vegetatively propagated from stem or tip cuttings harvested from actively growing plants. While rooting is relatively easy, growing a “florist” azalea takes as long as \_\_\_\_\_ to\_\_\_\_\_\_ \_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 12, 24 months | c. | 2, 3 years |
| b. | 2, 3 months | d. | 1, 2 years |

ANS: C PTS: 1

 84. Geophytes include any species that form modified plant \_\_\_\_\_ for \_\_\_\_\_\_\_ storage including bulbs, corms, tubers, tuberous roots, rhizomes, and pseudobulbs.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | fungus, oxygen | c. | organs, nitrogen |
| b. | Organs, carbohydrate | d. | fungus, nitrogen |

ANS: B PTS: 1

 85. Two common ways to reduce the light intensity in a greenhouse are with shade cloths and shading compounds. Shade cloth is available in a variety of types which reduce light by \_\_\_ to \_\_\_\_\_\_%

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 5, 15 | c. | 12, 18 |
| b. | 13, 24 | d. | 25, 98 |

ANS: D PTS: 1

 86. \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ regulations is defined as any chemical or process used to produce a specific type of growth response, such as inhibition of internode elongation or root development.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Plant Growth | c. | Tissue Culture |
| b. | Abscisic acid  | d. | Root development |

ANS: A PTS: 1

 87. Tropical flowers like birds-of-paradise, anthurium, ginger and orchids should be kept in a separate cooler set with \_\_\_\_\_\_\_\_\_ temperature (\_\_\_\_\_\_\_degrees to \_\_\_\_\_\_\_\_\_ degrees).

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Cooler, 39 degrees, 44 degrees | c. | Warmer, 45 degrees, 50 degrees |
| b. | Warmer, 61 degrees, 66 degrees | d. | Cooler, 57 degrees,60 degrees |

ANS: C PTS: 1

 88. In all arrangements when looking at the principles of design, the floral designer is striving for emphasis, balance, proportion, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, and unity.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | texture, color | c. | rhythm, harmony |
| b. | depth, height | d. | interest, desire |

ANS: C PTS: 1

 89. A monochromatic color scheme is created from flowers and foliage with the tints and shades of a single \_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | value | c. | hue |
| b. | tone | d. | none of the above |

ANS: C PTS: 1

 90. The size of the wire is listed according to its gauge number. The higher the gauge number, the \_\_\_\_\_\_ the wire.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | heavier | c. | finer |
| b. | lighter | d. | none of the above |

ANS: C PTS: 1

 91. Several different types of grafting have been developed including \_\_\_\_\_\_\_, splice, side, \_\_\_\_\_\_\_\_, side-veneer, cleft, bark, and approach grafting.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | swirl (tongue), budding | c. | T (shield), inverted T |
| b. | whip (tongue), ring (annular) | d. | whip (tongue), side-tongue |

ANS: D PTS: 1

 92. \_\_\_\_\_\_\_\_ are/is the fiber of a palm tree used like string or ribbon to tie things together.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Salal leaves | c. | Cornucopia |
| b. | Raffia | d. | none of the above |

ANS: B PTS: 1

 93. The \_\_\_\_\_\_\_ (or art) are rules and guide lines to help a floral designer create a beautiful composition.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Floral Design | c. | Principles of Design |
| b. | Interior Design | d. | Principles of Flowers |

ANS: C PTS: 1

 94. The ideal stage to cut the majority of flowers is just:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | before flower is fully open | c. | in the bud stage |
| b. | after flower is fully open | d. | there is not an ideal stage |

ANS: A PTS: 1

 95. A cluster of flowers on a stem is a(n)

|  |  |  |  |
| --- | --- | --- | --- |
| a. | solitary flower | c. | pistil |
| b. | inflorence | d. | pedicel |

ANS: B PTS: 1

 96. Hanging method, covering method, treating with glycerin, pressing, making potpouri and commercial freeze drying are all methods to \_\_\_\_\_\_\_ or \_\_\_\_\_\_ plant materials.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | grow, respiration | c. | dry, preserve |
| b. | dry, create | d. | grow, preserve |

ANS: C PTS: 1

 97. When the pollen of a plant pollinates a flower on the same plant it is called \_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | hybrid | c. | self-pollination |
| b. | cross-pollination | d. | haploid |

ANS: C PTS: 1

 98. The first written design principles (rules) were established by the:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | French | c. | Italians |
| b. | Indians | d. | Orientals |

ANS: A PTS: 1

 99. The historic placement of the three flowers in an oriental design signifies \_\_\_\_\_\_\_, \_\_\_\_\_\_\_,and \_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | sun, moon, stars | c. | father, son, earth |
| b. | heaven, man, earth | d. | peace, love, harmony |

ANS: B PTS: 1

 100. \_\_\_\_\_\_\_\_\_ is achieved in an arrangement by creating an accent or focal point.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | harmony | c. | emphasis |
| b. | balance | d. | unity |

ANS: C PTS: 1

 101. An arrangement may be composed of \_\_\_\_\_\_\_ or \_\_\_\_\_\_\_balance.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | harmony, emphasis | c. | weight, size |
| b. | mass, line | d. | symmetrical, asymmetrical |

ANS: D PTS: 1

 102. The right conditions for seed germination are light or darkness \_\_\_\_\_\_, \_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | seeds, pollination, water | c. | water, oxygen, favorable temperatures |
| b. | soil, hybridization, DNA | d. | carbon dioxide, pistil, xylem |

ANS: C PTS: 1

 103.

\_\_\_\_\_\_\_ in an arrangement is accomplished by the scaling of flowers towards the focal point and is achieved by the use of flowers of varying size.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | balance | c. | proportion |
| b. | unity | d. | rhythm |

ANS: C PTS: 1

 104. Plants are complex organisms made of \_\_\_\_\_\_\_ consisting \_\_\_\_\_\_\_ and\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | skeletal, epidermis, nerves | c. | hair, stems, pistils |
| b. | organs, tissue,cells | d. | tissue, xylem, purlin |

ANS: B PTS: 1

 105. As roots grow, their tips are protected from coarse soil. This is accomplished by a mass of cells called the \_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | root cap | c. | adventitious roots |
| b. | secondary roots | d. | basal rooters |

ANS: A PTS: 1

 106. The flower typically consists of four different parts Sepals, petals, \_\_\_\_\_\_ and \_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | stamens, pistil | c. | pistil, corolla |
| b. | pedicel, cells | d. | xylem, corolla |

ANS: A PTS: 1

 107. The plant has four main structures \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, leaves, and flowers.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | stamens, pistil | c. | pistils, corolla |
| b. | root, stem | d. | chlorophyll, xylem |

ANS: B PTS: 1

 108. The pistil has three main parts. They are the \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | stigma, corolla, pedicel | c. | perianth, sepals, ovary |
| b. | stigma, style, ovary | d. | cylem, Chlorophyll, stigma |

ANS: B PTS: 1

 109. \_\_\_\_\_\_\_ and \_\_\_\_\_\_ fuel plant growth.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | DNA mRNA | c. | Glucose, Water |
| b. | Chlorophyll, Stomata | d. | Glucose, Fructose |

ANS: D PTS: 1

 110. \_\_\_\_\_\_\_ enters through the stomata and is available to the \_\_\_\_\_\_ in the cells.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | oxygen, tissue | c. | carbon dioxide, tissue |
| b. | glucose, chloroplasts | d. | carbon dioxide, chlorophyll |

ANS: D PTS: 1

 111. \_\_\_\_\_\_\_\_\_\_, the primary pigment involved in the manufacture of food.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | chloroplast | c. | photosynthesis |
| b. | chlorophyll | d. | cellular respiration |

ANS: B PTS: 1

 112. The flower stem is known as the \_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | pedal | c. | style |
| b. | stigma | d. | pedicel |

ANS: D PTS: 1

 113. The collection of petals on a flower is referred to as the \_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | ovary | c. | corolla |
| b. | inflorance | d. | solitary flowers |

ANS: C PTS: 1

 114. Together, the sepals and the petals are called the \_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | perianth | c. | inflorence |
| b. | pedicel | d. | corolla |

ANS: A PTS: 1

 115. A symmetrical design will appear to be the same on each side of a \_\_\_\_\_\_\_ center line.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | horizontal | c. | squared |
| b. | rectangular | d. | vertical |

ANS: D PTS: 1

 116. Other floral design patterns that may be constructed by a florist are the \_\_\_\_\_\_, inverted T, \_\_\_\_\_\_\_\_\_, and a free form.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | left triangle, horizontal | c. | right triangle, vertical |
| b. | converted triangle, vertical | d. | right triangle, horizontal |

ANS: C

PTS: 1

 117. Two major processes that direct growth and development are \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | carbon dioxide, respiration | c. | carbon dioxide, glucose |
| b. | glucose, photosynthesis | d. | photosynthesis, respiration |

ANS: D PTS: 1

 118. The harnessing of light energy is made possible by pigments found in \_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | chloroplast | c. | photosynthesis |
| b. | chlorophyll | d. | cellular respiration |

ANS: A PTS: 1

 119. Flowers are \_\_\_\_\_ percent water.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 60 | c. | 40 |
| b. | 90 | d. | 10 |

ANS: B PTS: 1

 120. The pH refers to the relative concentration of hydrogen ions in a solution and ranges from 1-14; \_\_\_\_\_\_\_\_ being acidic; \_\_\_\_\_\_\_\_ being neutral; being alkaline.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 2-7; 1; 8-14 | c. | 1-6; 7; 8-14 |
| b. | 8-14; 7; 1-6 | d. | 1-4; 5-8; 9-14 |

ANS: C PTS: 1

 121. \_\_\_\_\_\_\_\_\_\_\_ is the ability of seeds to germinate under different conditions and still produce healthy seedlings.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | viability | c. | pollination |
| b. | vigor | d. | hybrid |

ANS: B PTS: 1

 122. Daisies should be cut \_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | in the bud stage | c. | before the flower is fully opened |
| b. | fully open | d. | 2 days after fully opened |

ANS: B PTS: 1

 123. The quality of seed used is very important to greenhouse growers. Seed quality refers to both \_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | moisture, shelter | c. | viability, vigor |
| b. | pH, growth | d. | light, darkness |

ANS: C PTS: 1

 124. Spring bulb flowers such as \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, or \_\_\_\_\_\_\_\_\_\_ may be harvested in the bud stage.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | roses, yucca, heather | c. | privet, carnations, poinsettias |
| b. | carnations, roses, tulips | d. | tulips, daffodils, iris |

ANS: D PTS: 1

 125. The condition that a plant loses water through pores in its leaves is called \_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | perspiration | c. | condensation |
| b. | transpiration | d. | oblovation |

ANS: B PTS: 1

 126. Which of the following is not considered a characteristic of a good propagation media?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | allows easy movement within the container | c. | provides excellent aeration and drainage |
| b. | free of insects and disease | d. | good water holding capacity |

ANS: A PTS: 1

 127. Which of the following is not a function of a good growing medium?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Provide for storage of water | c. | provide storage capacity for nutrients |
| b. | Provide for evaporation from plant | d. | provide anchorage and support for plant |

ANS: B PTS: 1

 128. The minimum optimum temperature for poinsettia growth is:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 72 degrees F | c. | 54 degrees F |
| b. | 68 degrees F | d. | 60 degrees F |

ANS: D PTS: 1

 129. Which of the following is the primary reason for keeping flower buckets clean?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Prevent bacterial growth | c. | Prevent cross pollination of incompatible species |
| b. | Prevent hydra wilt syndrome | d. | Reduce algae proliferation |

ANS: A PTS: 1

 130. Flower preservatives should be used when conditioning flowers for which of the following reasons?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | intensify color | c. | prevent bacterial growth |
| b. | to aid in the absorption of dyes | d. | none of the above |

ANS: C PTS: 1

 131. The pH range most suitable for camellia is:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 5.0- 5.5 | c. | 7.0- 8.0 |
| b. | 6.5- 7.5 | d. | 4.5- 5.5 |

ANS: A PTS: 1

 132. Wire sizes most often used by florists vary from \_\_\_\_\_ to \_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 04- 12 | c. | 18-30 |
| b. | 00- 10 | d. | none of the above |

ANS: C PTS: 1

 133. A good alternative for perlite, this material provides aeration in the root media:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | sand | c. | peat moss |
| b. | rock wool | d. | vermiculite |

ANS: A PTS: 1

 134. What is the major pest problem related to Boston fern?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | aphids | c. | white flies |
| b. | spider mites | d. | none of the above |

ANS: B PTS: 1

 135. What ingredient related to city water causes leaf tip browning in spider plants?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Fluorine | c. | Fluoride |
| b. | Chlorine | d. | All the above |

ANS: C PTS: 1

 136. The major colors of African Violet include:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | White, yellow, blue, red and purple | c. | Purple. orange, red, white and mint |
| b. | Red, purple, blue, pink and white | d. | none of the above |

ANS: B PTS: 1

 137. The ideal temperature range of interiorscape plants is:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 60-65 F day/ 50-55 F night | c. | 70-80 F day/ 60-65 F night |
| b. | 65-70 F day/ 45-55 F night | d. | none of teh above |

ANS: C PTS: 1

 138. Which of the following is not a direct result of light intensity and duration in greenhouse crops?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Growth | c. | Maturity |
| b. | Color | d. | Radiation |

ANS: D PTS: 1

 139. Which of the following are considered freestanding greenhouses:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Quonset | c. | Freestanding Uneven Span |
| b. | Gothic Arch | d. | All of the above |

ANS: D PTS: 1

 140. Which of the following would not be considered a typical duty of a floral manager?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | determining designs of arrangements | c. | working with budgets |
| b. | hiring and managing personnel | d. | coordinating window displays |

ANS: A PTS: 1

 141. Successful advertising to a target audience is based on the three profit “P’s”. Which of the following is not part of the three profit “P’s”.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | persistance | c. | persuasive |
| b. | planned | d. | pleasant |

ANS: D PTS: 1

 142. Who added dried flowers or grains to fresh floral designs?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Romans | c. | Chinese |
| b. | Egyptians | d. | Americans |

ANS: D PTS: 1

 143. Which of the following four factors are not important when considering water quality for fresh flowers?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | pH | c. | salinity |
| b. | hardness | d. | temperature |

ANS: D PTS: 1

 144. As part of the conditioning process, flowers should remain at room temperature for two to three hours for what purpose?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | intensify color | c. | absorb preservatives |
| b. | open blooms | d. | none of the above |

ANS: C PTS: 1

 145. There are three main ingredients in floral preservatives. Which of the following is not one of these?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | sugar | c. | algicide |
| b. | bactericide | d. | acidifying agent |

ANS: C PTS: 1

 146. Drypacked flowers are flowers that are cooled quickly at teh grower and kept cool throughout the shipping process.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | True | b. | False |

ANS: A PTS: 1

 147. When growing orchids, a hygrometer is used to measure?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | light | c. | air flow  |
| b. | temperature  | d. | humidity |

ANS: D PTS: 1

 148. When creating an arrangement, there is value in using both glossy and varied textures. What is the role of varied texture?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | varied textures are highly visible and attract viewer’s attention | c. | although glossy attracts viewer’s attention, texture tends to hold attention |
| b. | varied textures serve as a filler to accent the glossy texture. | d. | None of the above |

ANS: C PTS: 1

 149. The design element \_\_\_\_\_\_\_\_\_\_ allows each flower to be seen in the design and creates a vital, interesting aspect within the design.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | form | c. | pattern |
| b. | space | d. | none of the above |

ANS: B PTS: 1

 150. Which of the following is not one of the broad categories of form?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | geometric | c. | naturalistic |
| b. | symmetric | d. | free form |

ANS: B PTS: 1

 151. Which of the following is a common term used to describe hiding the elements that hold the design together such as taping to cover the end of flower stems?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | cover your mechanics | c. | dressing the stage |
| b. | icing the design | d. | none of the above  |

ANS: A PTS: 1

 152. The flowers and leaves of a rose are mottled and streaked with silver, and dusty black droppings have collected. This damage is indicative of?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Aphids | c. | Mold |
| b. | Thrips | d. | Botulism |

ANS: B PTS: 1

 153. An arrangement of flowers in which the flowers have all fallen into the outer ring is commonly referred to as?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | limp syndrome arrangement | c. | bottomless ring |
| b. | designer’s nightmare | d. | doughnut arrangement |

ANS: D PTS: 1

 154. A naturalistic design is an arrangement that looks like a \_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | petite painting | c. | native plant collection |
| b. | miniature landscape | d. | organic display |

ANS: B PTS: 1

 155. All of the following are related to servicing a wedding except one. Which service does not belong in this group?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | set up the reception flowers | c. | anchor the aisle runner |
| b. | distribute and pin on flowers | d. | coordinate throwing of bouquet |

ANS: D PTS: 1

 156. How is the size of the casket display determined?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | budget | c. | religious affiliation |
| b. | type of casket | d. | season of the year |

ANS: B PTS: 1

 157. A weakness associated with the ratio mark up method of pricing includes all of the following elements except one. Which element should not be included with these weaknesses?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | changes in wholesale prices | c. | failure to plan for profit |
| b. | overhead costs | d. | operating expenses, including labor |

ANS: A PTS: 1

 158. Without a day / night fluctuation of \_\_\_\_\_ to \_\_\_\_\_ degree F, orchids will grow plenty of healthy foliage, but may stubbornly refuse to flower.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 5 to 10 | c. | 15 to 20 |
| b. | 10 to 15 | d. | 20 to 25 |

ANS: B PTS: 1

 159. What gives growers the ability to control environmental conditions affecting a crop?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | greenhouses | c. | farmers almanac |
| b. | sunlight | d. | soil |

ANS: A PTS: 1

 160. The covering of a greenhouse is often referred to as the \_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | glazing | c. | roof |
| b. | framework | d. | glistening factor |

ANS: A PTS: 1

 161. \_\_\_\_\_\_\_\_\_\_\_ are devices used to automatically turn greenhouse systems on or off.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | energy curtains | c. | automatic on/off switches |
| b. | power switches | d. | environmental controls |

ANS: D PTS: 1

 162. \_\_\_\_\_\_\_\_\_\_\_\_ is the best glazing materials for the production of greenhouse crops.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | glass | c. | retractable roofing |
| b. | polyethylene | d. | metal |

ANS: A PTS: 1

 163. Leaves are \_\_\_\_\_\_\_\_\_\_\_ with the responsibility for making \_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | organs, beauty | c. | beauty, shading |
| b. | shading, food | d. | organs, food |

ANS: D PTS: 1

 164. Most photosynthetic activity occurs in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | cytoplasm | c. | chlorophyll |
| b. | mesophyll layer | d. | mitotic spindle |

ANS: B PTS: 1

 165. \_\_\_\_\_\_\_\_\_\_\_\_\_ are the reproductive organs of the plant.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Flowers | c. | Leaves |
| b. | Seeds | d. | Roots |

ANS: A PTS: 1

 166. A single flower on a stem or peduncle is called a \_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | dwarf flower | c. | solitary flower |
| b. | miniature flower | d. | petal flower |

ANS: C PTS: 1

 167. Cellular respiration is the \_\_\_\_\_\_\_\_\_ of photosynthesis in that energy is released as the stored sugars are broken down.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | same | c. | product |
| b. | reverse | d. | none of the above |

ANS: B PTS: 1

 168. \_\_\_\_\_\_\_\_\_\_\_\_ is responsible for cell division and differentiation.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | chlorophyll | c. | cytokins |
| b. | carbon dioxide | d. | enzymes |

ANS: C PTS: 1

 169. \_\_\_\_\_\_\_\_\_\_ are naturally occurring chemicals produced by plants to \_\_\_\_\_\_\_\_\_\_ growth.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | hormones, regulate | c. | leaves, stems |
| b. | cells, reduce | d. | cuttings, root |

ANS: A PTS: 1

 170. \_\_\_\_\_\_\_\_\_ has changed the import/ export side of the floriculture industry.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | air travel | c. | lighting |
| b. | telephones | d. | space travel |

ANS: A PTS: 1

 171. What factors are involved in seed germination?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | oxygen, water | c. | light requirements |
| b. | optimum temperatures | d. | all the above |

ANS: D PTS: 1

 172. After being placed in a floral preservative solution, how long should the flowers remain at room temperature for efficient uptake of the solution?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 30 minutes | c. | 2 to 3 hours |
| b. | 4 to 5 hours | d. | 15-30 minutes |

ANS: C PTS: 1

 173. What pH is recommended for fresh flowers in a solution?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 3- 4.5 | c. | 7.5-8.5 |
| b. | 1- 2.5 | d. | 14 |

ANS: A PTS: 1

 174. Underwater cutting is recommended especially for roses to ensure that \_\_\_\_\_\_, not \_\_\_\_\_\_enters the xylem.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | water, air | c. | light, rust |
| b. | air, water | d. | non of the above |

ANS: A PTS: 1

 175. Floral preservatives should be used because they will \_\_\_\_\_\_\_\_ the lasting qualities of fresh flowers.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | increase | c. | floral preservatives should not be used  |
| b. | decrease | d. | none of the above |

ANS: A PTS: 1

 176. Floral production involves the growing of \_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ for sale.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | seeds and soil` | c. | roses and cut flowers |
| b. | potted plants and bedding plants | d. | flowering and foliage crops |

ANS: D PTS: 1

 177. What are conical centerpieces?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | flat, one sided, square pieces | c. | cone shaped, three dimensional isosceles triangles |
| b. | thin, two dimensional, square pieces | d. | there is no such centerpiece as a conical centerpiece. |

ANS: C PTS: 1

 178. Dried flowers with \_\_\_\_ stems may be used in designing by \_\_\_\_\_ them with wire, metal or wooden picks, hollow stems, taped stems, or hot glue.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | long, shortening | c. | short, shortening |
| b. | short, lengthening | d. | long, lengthening |

ANS: B PTS: 1

 179. What is the best time of the day to harvest plant materials for drying?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | morning | c. | evening |
| b. | middle of the day | d. | any time is good |

ANS: B PTS: 1

 180. The purpose of plant propagation is to produce \_\_\_\_\_\_\_ and \_\_\_\_\_\_\_ breeds of plants at a fast rate.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | used, retired | c. | new, inferior |
| b. | new, better | d. | old, superior |

ANS: B PTS: 1

 181. Percent germination is the percentage of \_\_\_\_\_ that will \_\_\_\_\_ and \_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | cells, divide, degenerate | c. |  stems, roots, split |
| b. | cells, form, reproduce | d. | seeds, sprout, grow |

ANS: D PTS: 1

 182. Damping off is a common \_\_\_\_\_\_\_\_ disease in germinating seeds and seedlings.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | viral | c. | fungal |
| b. | bacterial | d. | none of the above |

ANS: C PTS: 1

 183. There are 17 elements needed to provide the necessary plant nutrients. Macronutrients are the \_\_\_\_\_\_\_\_ nutrients and are needed in \_\_\_\_\_\_\_\_\_ amounts.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | major, larger | c. | major, smaller |
| b. | minor, larger | d. | minor, smaller |

ANS: A PTS: 1

 184. The international wholesale market for cut flowers and foliage is located in \_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | America | c. | Holland |
| b. | Canada | d. | Peru |

ANS: C PTS: 1

 185. For optimum vase life, most cut flowers should be stored at temperatures as close to \_\_\_\_\_\_ degrees F as possible.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 35 | c. | 40 |
| b. | 30 | d. | 50 |

ANS: A PTS: 1

 186. \_\_\_\_\_\_\_\_ is regarded as the easiest ribbon with which to work.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | velvet | c. | burlap |
| b. | plastic | d. | satin |

ANS: D PTS: 1

 187. Single face ribbon\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | has a shiny and a dull side | c. | is shiny on both sides |
| b. | is dull on both sides | d. | none of the above |

ANS: A PTS: 1

 188. An entire roll of ribbon is called a \_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | accessory | c. | roll |
| b. | bolt | d. | none of the above. |

ANS: B PTS: 1

 189. Ribbon varies in \_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | texture | c. | workability |
| b. | pattern | d. | all the above |

ANS: D PTS: 1

 190. What type of balance can be used to create and design with an informal approach?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | symmetrical | c. | isometrical |
| b. | asymmetrical | d. | circular |

ANS: B PTS: 1

 191. The basic principle of design that creates interest and accent in a floral design is?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | balance | c. | scale |
| b. | harmony | d. | focal point |

ANS: D PTS: 1

 192. An accent is used in a design to?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | draw attention to the design | c. | emphasize an are of interest |
| b. | create a focal point | d. | all the above |

ANS: D PTS: 1

 193. To create the proper scale in a floral design, flowers at the focal point should be:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | at bud stage | c. | at full bloom |
| b. | at tight bud stage | d. | none of the above |

ANS: C PTS: 1

 194. A circular design does not have:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | balance | c. | harmony |
| b. | focal point | d. | none of the above |

ANS: B PTS: 1

 195. Roses, carnations, chrysanthemums, zinnias and tulips are all example of \_\_\_\_\_\_\_ flowers.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | mass | c. | form |
| b. | line | d. | filler |

ANS: A PTS: 1

 196. Bird of Paradise, lilies and orchids are examples of \_\_\_\_\_\_\_ flowers.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Mass | c. | Form |
| b. | Line | d. | Filler |

ANS: C PTS: 1

 197. Ferns, baby’s breath, statice, croton, huckleberry are all examples of \_\_\_\_\_\_\_ flowers.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Mass | c. | Form |
| b. | Line | d. | Filler |

ANS: D PTS: 1

 198. Which is another name for florist tape?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | green tape | c. | wax tape |
| b. | parafilm | d. | none of the above |

ANS: B PTS: 1

 199. If a hue is diluted with gray, the resulting color is called a \_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | contrast | c. | pastel |
| b. | tone | d. | none of the above |

ANS: B PTS: 1

 200. The order of elements in a 5-10-18 is:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | N, P, K | c. | K, P, N |
| b. | P, K, N | d. | none of the above |

ANS: A PTS: 1

 201. \_\_\_\_\_\_\_\_\_\_\_ regulate water vapor loss in the leaf.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | spongy mesosphyll | c. | guard cells |
| b. | inclusive membranes | d. | stomata |

ANS: D PTS: 1

 202. The treatment given to Easter lilies to speed flowering is called:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | hormone treatment | c. | presale |
| b. | hardening off | d. | precooling |

ANS: D PTS: 1

 203. Which of the florist crops below are propagated by cuttings?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Carnation | c. | Chrysanthemum |
| b. | Azalea | d. | All the above |

ANS: D PTS: 1

 204. Which is not a primary color?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Red | c. | Yellow |
| b. | Orange | d. | Blue |

ANS: B PTS: 1

 205. The showy red, pink, or white portions of the poinsettia are called:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | flowers | c. | calyx |
| b. | leaves | d. | bracts |

ANS: D PTS: 1

 206. The unit of heat measurement used in the greenhouse industry is the:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Natural gas | c. | BTU |
| b. | kilowatt hour | d. | Propane tank |

ANS: C PTS: 1

 207. When upper leaves show interveinal chlorosis, the plant probably suffers fron a deficiency of \_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | potassium | c. | phosphorus |
| b. | chlorophyll | d. | iron |

ANS: D PTS: 1

 208. African Violets are typically propagated by \_\_\_\_\_\_\_\_\_\_\_\_ cuttings.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Root | c. | Leaf |
| b. | Stem | d. | None of the above |

ANS: C PTS: 1

 209. Cut branches of evergreens that are 20-30 inches long are termed \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | trim | c. | fillers |
| b. | boughs | d. | cuttings |

ANS: B PTS: 1

 210. A plant that lives for two or more years is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | annual | c. | perennial |
| b. | biennial | d. | evergreen |

ANS: C PTS: 1

 211. An element used for strong stems, roots and shows damage of brown leaf tips when dificient is \_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Nitrogen | c. | Potassium |
| b. | Phosphorus | d. | Calcium |

ANS: C PTS: 1

 212. The plant element responsible for flowering is \_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Nitrogen | c. | Potassium |
| b. | Phosphorus | d. | Calcium |

ANS: B PTS: 1

 213. Plants need the \_\_\_\_\_\_\_\_\_\_ spectrum of light for good foliage development.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Yellow | c. | Violet |
| b. | White | d. | Blue |

ANS: D PTS: 1

 214. Food is translocated in plants through a tissue called the \_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Xylem | c. | Cambium |
| b. | Phloem | d. | Mesosphyll |

ANS: B PTS: 1

 215. The bract that encloses a flower cluster is a \_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | sepal | c. | spathe |
| b. | ballast | d. | calyx |

ANS: C PTS: 1

 216. Fungus gnat damage to potted plants is caused by the \_\_\_\_\_\_\_\_\_\_\_ stage.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | larval | c. | adult |
| b. | pupa | d. | instar |

ANS: A PTS: 1

 217. The flower part that contains the pollen is the\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Filament | c. | Stigma |
| b. | Anther | d. | Style |

ANS: B PTS: 1

 218. The number one foliage production state in acres and wholesale value is \_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | California | c. | Oregon |
| b. | Texas | d. | Florida |

ANS: D PTS: 1

 219. The \_\_\_\_\_\_\_\_\_ method of wiring is used for flowers that have a thick calyx such as carnations and roses.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | wrap | c. | hook |
| b. | hybrid | d. | piercing |

ANS: D PTS: 1

 220. Secondary colors include orange, green and \_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | yellow | c. | lavender |
| b. | violet | d. | purple |

ANS: B PTS: 1

 221. \_\_\_\_\_\_\_\_ induces adventitious roots to form on stems while they are still attached to the parent plant.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | division | c. | Layering |
| b. | Budding | d. | Grafting |

ANS: C PTS: 1

 222. All foliage plants must be \_\_\_\_ prior to installing in an interior area.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | smelled | c. | cut and dried |
| b. | acclimated | d. | sold |

ANS: B PTS: 1

 223. Odd numbers should be used in arrangements when fewer than \_\_\_\_ flowers of one kind are used.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 10 | c. | 8 |
| b. | 3 | d. | 5 |

ANS: A PTS: 1

 224. \_\_\_\_\_\_ is a term used to describe the practices that get bulbs to grow and produce flowers.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | pushing | c. | forcing |
| b. | stripping | d. | coddling |

ANS: C PTS: 1

 225. A tunicate bulb has a dry, papery covering called a \_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | basal plate | c. | tunic |
| b. | scales | d. | rhizome |

ANS: C PTS: 1

 226. \_\_\_\_\_\_\_\_ is the art and science of selecting, placing and maintaining plants to improve and enhance the appearance of the indoor environment.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | exteriorscaping | c. | landscaping |
| b. | interiorscaping | d. | interior decorating |

ANS: B PTS: 1

 227. A \_\_\_\_\_\_\_\_ is a greenhouse designed for the display of plants.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | headhouse | c. | glazing house |
| b. | conservatory | d. | rolling house |

ANS: B PTS: 1

 228. \_\_\_\_\_\_\_\_\_\_ capacity is the measure of a medium’s capacity to hold nutrients.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | aeration | c. | conservatory |
| b. | cation exchange | d. | chamber |

ANS: B PTS: 1

 229. The arrangement should be \_\_\_\_\_\_ to \_\_\_\_\_\_ times the height of a tall container or the length of an elongated container.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 2 to 3 | c. | 1 1/2 to 2 |
| b. | 1 1/2 to 1 | d. | none of the above |

ANS: C PTS: 1

 230. \_\_\_\_\_\_\_\_\_\_\_\_ deals with the relative size among objects or parts of objects.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | rhythm | c. | physical balance |
| b. | proportion | d. | visual weight |

ANS: B PTS: 1

 231. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the physical or visual stability of a floral design.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | counter balancing | c. | balance |
| b. | visual balance  | d. | asymmetrical balance  |

ANS: C PTS: 1

 232. \_\_\_\_\_\_\_\_\_\_occurs when both sides of the design have or seem to have the same physical weight.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | rhythm | c. | physical balance |
| b. | proportion | d. | visual weight |

ANS: C PTS: 1

 233. Occurs when the plant material and the manner of placement are different on each side of the central vertical axis; however, the arrangement must appear to be in balance.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Counterbalancing | c. | Balance |
| b. | Visual Balance | d. | Asymmetrical Balance |

ANS: D PTS: 1

 234. \_\_\_\_\_\_\_\_\_ is the pleasing relationship in size and shape among objects or parts of objects.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Counterbalancing  | c. | Balance |
| b. | Visual Balance | d. | Asymmetrical Balance |

ANS: B PTS: 1

 235. \_\_\_\_\_\_\_\_\_\_ refers to the perception of an arrangement being in balance or being equal in weight on both sides of the central axis.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Centering | c. | Symmetrical Balance |
| b. | Scale | d. | Golden Mean |

ANS: C PTS: 1

 236. The hook method of wiring for floral arrangements is used for \_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | tubular flowers | c. | flat headed flowers |
| b. | delicate flowers | d. | roses |

ANS: C PTS: 1

 237. What is the purpose of “pinching” plants?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | pinching is the removal of dead flowers | c. | pinching helps the plants by requiring less fertilizer |
| b. | pinching helps the plants to become more bushy | d. | pinching is the removal of large insects, such as beetles |

ANS: B PTS: 1

 238. The ease of visual movement that results from gradual degrees of change among one or more of the elements is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | repetition | c. | unity |
| b. | depth | d. | transition |

ANS: D PTS: 1

 239. The general rule to use to transplant seedlings is after:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | A sufficient root system has developed | c. | Four-Six leaves have developed |
| b. | The first true leaves have developed | d. | As soon as the plant emerges from the seed coat |

ANS: B PTS: 1

 240. Which is the most common form of sexual plant propagation?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Cuttings | c. | Grafting |
| b. | Division | d. | Seeds |

ANS: D PTS: 1

 241. A clogged floral stem is caused by an air embolism. This is where:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | A bubble of air enters the xylem | c. | A bubble of air enters the phloem |
| b. | Air dries out the floral stem | d. | Air causes the rupture of the floral stem |

ANS: A PTS: 1

 242. The breathing pore in the stem is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Scar | c. | Bud |
| b. | Lenticel | d. | Scale |

ANS: B PTS: 1

 243. Foliage turning purple on a greenhouse plant shows a deficiency of:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Nitrogen | c. | Magnesium |
| b. | Phosphorus | d. | Sulfur |

ANS: B PTS: 1

 244. In a floral shop business, the difference between the cost of goods sold and theretail price is called the:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Mark up | c. | Mark down |
| b. | Price differential | d. | Profit |

ANS: A PTS: 1

 245. Which of the following are examples of ACHROMATIC colors?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Red and Green | c. | Black White and Gray |
| b. | Blue and Orange | d. | Pink and Purple |

ANS: C PTS: 1

 246. Considering supply and demand, what would be the anticipated prediction for theeffect on rose prices surrounding the February holiday of Valentine's Day?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Rose prices would maintain steady and unaffected | c. | Rose prices would drop |
| b. | Rose prices would increase | d. | Not applicable; roses are not available during that season |

ANS: B PTS: 1

 247. Close placement of one material directly behind the primary material, giving athree-dimensional appearance, is called \_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | pave | c. | tailoring |
| b. | grouping | d. | shadowing |

ANS: D PTS: 1

 248. The presence of sticky 'honeydew' drops on the leaves of plants within agreenhouse production system could indicate which of the following pests:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | whitefly | c. | worms |
| b. | aphid | d. | wasps |

ANS: B PTS: 1

 249. What do many spring flowering bulb crops require in order to flower?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | fertilization | c. | transpiration |
| b. | pollination | d. | vernalization |

ANS: D PTS: 1

 250. What is a condition in which a leaf has a striped, margined, or mottled color ratherthan green, where green is normal?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Chlorotic | c. | Striated |
| b. | Compounded | d. | Variegated |

ANS: D PTS: 1