

## Floriculture Test Bank B

### Multiple Choice

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

- \_\_\_ 1. The optimum range for most crops growing in a soilless medium is \_\_\_-\_\_\_, because in this range micronutrients are \_\_\_\_\_ enough to satisfy plant needs without becoming so \_\_\_\_\_ as to be toxic
- 7.35, 7.45, soluble, soluble
  - 5.8, 6.4, soluble, soluble
  - 5.14, 5.75, insoluble, insoluble
  - 7.35, 7.45, insoluble, soluble
- \_\_\_ 2. High humidity in the greenhouse causes plugs to \_\_\_\_\_ and be soft due to lack of \_\_\_\_\_ uptake
- stretch, oxygen
  - shrink, nitrogen
  - shrink, calcium
  - stretch, calcium
- \_\_\_ 3. \_\_\_\_\_ can become a problem when plugs are older and the plant canopy is tight.
- Botrytis
  - Lobularia
  - Vinca
  - Celosia
- \_\_\_ 4. Snapdragons can be stored for three to four days, dry or in water, at 40 degrees F. (4 degrees Celsius)
- True
  - False
- \_\_\_ 5. *Campanula carpatica* is an important \_\_\_\_\_ flowering pot crop for a number of European growers.
- Fall
  - Winter
  - Summer
  - Spring
- \_\_\_ 6. You cannot change your poinsettia crop while it is growing based on the type of fertilizer you use.
- True
  - False
- \_\_\_ 7. Gladioli species and the cultivars produce a multi-flowered inflorescence that can contain \_\_\_\_\_ to \_\_\_\_\_ florets.
- 2, 9
  - 3, 13
  - 10, 25
  - 26, 35
- \_\_\_ 8. \_\_\_\_\_, 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.
- Godetia
  - Gladiolus
  - Gomphrena
  - Geranium
- \_\_\_ 9. *Rudbeckia fulgida* is also known as \_\_\_\_\_
- African Violet
  - Rosemary
  - Black-eyed Susan
  - Azalea
- \_\_\_ 10. 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 \_\_\_\_\_.
- 12, 24 months
  - 2, 3 months
  - 2, 3 years
  - 1, 2 years
- \_\_\_ 11. The goal of propagation is to reproduce a selected plant type. such as a plant species, subspecies, variety, or cultivar. A plant species is defined as having naturally occurring, generic set of characteristics and is united with other closely related species by color, flowering time, and so on.
- True
  - False
- \_\_\_ 12. *Exacum affine* is an example of a species that is commercially cultivated)
- True
  - False

- \_\_\_ 13. 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 |
- \_\_\_ 14. \_\_\_ induces adventitious roots to form on stems while they are still attached to the parent plant.
- |             |             |
|-------------|-------------|
| a. Division | c. Layering |
| b. Budding  | d. Grafting |
- \_\_\_ 15. \_\_\_ is used in research to study physiological processes or plant diseases.
- |             |             |
|-------------|-------------|
| a. Grafting | c. Layering |
| b. Division | d. Budding  |
- \_\_\_ 16. Various lamp types are available for floriculture use which can be divided into three basic types, incandescent \_\_\_\_\_ and \_\_\_\_\_.
- |                |                   |
|----------------|-------------------|
| a. HID         | c. Neither a or b |
| b. Fluorescent | d. Both a and b   |
- \_\_\_ 17. 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 |
- \_\_\_ 18. Yellow margins and necrotic edges, especially on lower leaves; leaves mat curl up or down; root tips may be necrotic are all symptoms of what type of toxicity?
- |             |             |
|-------------|-------------|
| a. Nitrogen | c. Ammonium |
| b. Calcium  | d. Sulfur   |
- \_\_\_ 19. \_\_\_\_\_ \_\_\_\_\_ 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. Absciscic acid | d. Root development |
- \_\_\_ 20. Chemical growth retardants are registered for use on vegetable or other edible bedding plants such as tomatoes, (*Lycopersicon esculentum*), pepper (*Capsicum annuum*), and herbs.
- |         |          |
|---------|----------|
| a. True | c. False |
| b.      | d.       |
- \_\_\_ 21. 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 |
- \_\_\_ 22. Corsages are most commonly worn on the \_\_\_\_\_ \_\_\_\_\_.
- |                   |                |
|-------------------|----------------|
| a. left shoulder  | c. left wrist  |
| b. right shoulder | d. right wrist |
- \_\_\_ 23. Which one of the four plants listed below originated in the Mediterranean region?
- |                              |                                |
|------------------------------|--------------------------------|
| a. <i>Mystus Communis</i>    | c. <i>Maranta leuconeura</i>   |
| b. <i>Monstera deliciosa</i> | d. <i>Magnolia grandiflora</i> |



- \_\_\_ 33. 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 |
- \_\_\_ 34. An analogous color scheme is created by combining any three \_\_\_\_\_ found next to each other on the color wheel. The color scheme has a great emotional appeal because any three colors that lie next to each other on the color wheel were developed from a single primary color.
- |           |          |
|-----------|----------|
| a. shades | c. tints |
| b. tones  | d. hues  |
- \_\_\_ 35. 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 |
- \_\_\_ 36. Filler flowers add a finishing touch to an arrangement. The two types of filler flowers used in flower arrangements are \_\_\_\_\_ and \_\_\_\_\_.
- |                             |                          |
|-----------------------------|--------------------------|
| a. leather leaf, lemon leaf | c. texture, flutter leaf |
| b. bunch, feather           | d. depth, height         |
- \_\_\_ 37. The temperature that benefits the majority of flowers held by a florist is 35 degrees to 40 degrees F or \_\_\_\_\_ degrees C
- |                           |                           |
|---------------------------|---------------------------|
| a. 4 degrees, 4.5 degrees | c. 5 degrees, 7.5 degrees |
| b. 7 degrees, 12 degrees  | d. 15 degrees, 17 degrees |
- \_\_\_ 38. 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 |
- \_\_\_ 39. 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 |
- \_\_\_ 40. soluble salts refer to the total dissolved ions in media water solutions. soluble salts are measured by means of electrical conductivity (EC); the lesser the soluble salt concentration, the more easily an electrical current will pass through a medium water solution.
- |         |          |
|---------|----------|
| a. true | b. false |
|---------|----------|
- \_\_\_ 41. \_\_\_\_\_ 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 |
- \_\_\_ 42. \_\_\_\_\_, commonly called \_\_\_\_\_ throughout the trade, is the traditional filler flower for mixed bouquets and arrangements.
- |                   |                    |
|-------------------|--------------------|
| a. Gladiolus, Gla | c. Godetia, Gode   |
| b. Gloxinia, Glox | d. Gypsophila, gyp |
- \_\_\_ 43. Sunflower is also known as \_\_\_\_\_.
- |                |                 |
|----------------|-----------------|
| a. Helianthus  | c. Heliotropium |
| b. Helichrysum | d. Hemerocallis |

- \_\_\_ 44. Daylily is also known as \_\_\_\_\_.  
 a. Helianthus  
 b. Helichrysum  
 c. Heliotropium  
 d. Hemerocallis
- \_\_\_ 45. Amaryllis is also known as \_\_\_\_\_.  
 a. Hosta spp.  
 b. Hippeastrum hybrids  
 c. Hydrangea  
 d. Hibiscus moschetos/ H. hybrids
- \_\_\_ 46. The use of negative spaces or voids within the arrangement is equally as important as sizes of flowers in creating a pleasing proportion.  
 a. True  
 b. False
- \_\_\_ 47. The scientific name for Primrose is:  
 a. Clivia miniata  
 b. Rhododendron  
 c. Primula malacoides  
 d. Pelargonium hortorum
- \_\_\_ 48. The scientific name for Azalea is:  
 a. Clivia miniata  
 b. Rhododendron  
 c. Primula malacoides  
 d. Pelargonium hortorum
- \_\_\_ 49. The scientific name for Kafir Lily is:  
 a. Clivia miniata  
 b. Rhododendron  
 c. Primula malacoides  
 d. Pelargonium hortorum
- \_\_\_ 50. The scientific name for Geranium is:  
 a. Clivia miniata  
 b. Rhododendron  
 c. Primula malacoides  
 d. Pelargonium hortorum
- \_\_\_ 51. The \_\_\_\_\_ (or art) are rules and guide lines to help a floral designer create a beautiful composition.  
 a. Floral Design  
 b. Interior Design  
 c. Principles of Design  
 d. Principles of Flowers
- \_\_\_ 52. The ideal stage to cut the majority of flowers is just:  
 a. before flower is fully open  
 b. after flower is fully open  
 c. in the bud stage  
 d. there is not an ideal stage
- \_\_\_ 53. \_\_\_\_\_ is best achieved when the designs arranged from back of the container toward the front. this gives the arrangement a feeling of \_\_\_\_\_ and \_\_\_\_\_.  
 a. emphasis, rhythm, support  
 b. balance, focal point  
 c. balance, visual, depth, support  
 d. vertical, support, crescent
- \_\_\_ 54. A typical \_\_\_\_\_ arrangement might contain a fully open flower, a half opened flower and a tight bud.  
 a. European  
 b. Texas  
 c. South America  
 d. Oriental
- \_\_\_ 55. A cluster of flowers on a stem is a(n)  
 a. solitary flower  
 b. inflorescence  
 c. pistil  
 d. pedicel
- \_\_\_ 56. Hanging method, covering method, treating with glycerin, pressing, making potpourri and commercial freeze drying are all methods to \_\_\_\_\_ or \_\_\_\_\_ plant materials.  
 a. grow, respiration  
 b. dry, create  
 c. dry, preserve  
 d. grow, preserve



- \_\_\_ 70. \_\_\_\_\_ 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.
- balance
  - unity
  - proportion
  - rhythm
- \_\_\_ 71. The least common shapes used in florist's designs include circular, triangular, radiating, crescent, horizontal, and hogarthian curve.
- true
  - false
- \_\_\_ 72. Plants are complex organisms made of \_\_\_\_\_ consisting \_\_\_\_\_ and \_\_\_\_\_.
- skeletal, epidermis, nerves
  - organs, tissue, cells
  - hair, stems, pistils
  - tissue, xylem, purlin
- \_\_\_ 73. As roots grow, their tips are protected from coarse soil. This is accomplished by a mass of cells called the \_\_\_\_\_.
- root cap
  - secondary roots
  - adventitious roots
  - basal rooters
- \_\_\_ 74. Wet conditions are also ideal for plants to become infected with soil. This is accomplished by a mass of cells called the \_\_\_\_\_.
- Fungus gnats, Mealybugs
  - Rhizoctonia, Pythium
  - Epidermis sarcoma, bent neck
  - root rot, basal rooters
- \_\_\_ 75. Xylem is only located in the roots and leaves.
- True
  - False
- \_\_\_ 76. The flower typically consists of four different parts Sepals, petals, \_\_\_\_\_ and \_\_\_\_\_.
- stamens, pistil
  - pedicel, cells
  - pistil, corolla
  - xylem, corolla
- \_\_\_ 77. The plant has four main structures \_\_\_\_\_, \_\_\_\_\_, leaves, and flowers.
- stamens, pistil
  - root, stem
  - pistils, corolla
  - chlorophyll, xylem
- \_\_\_ 78. The perianth is essential to the reproductive functions of the flower.
- true
  - false
- \_\_\_ 79. The pistil has three main parts. They are the \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- stigma, corolla, pedicel
  - stigma, style, ovary
  - perianth, sepals, ovary
  - cylem, Chlorophyll, stigma
- \_\_\_ 80. \_\_\_\_\_ and \_\_\_\_\_ fuel plant growth.
- DNA mRNA
  - Chlorophyll, Stomata
  - Glucose, Water
  - Glucose, Fructose
- \_\_\_ 81. The chemical process known as cellular respiration is the same as photosynthesis
- true
  - false
- \_\_\_ 82. \_\_\_\_\_ enters through the stomata and is available to the \_\_\_\_\_ in the cells.
- oxygen, tissue
  - glucose, chloroplasts
  - carbon dioxide, tissue
  - carbon dioxide, chlorophyll

- \_\_\_ 83. \_\_\_\_\_, the primary pigment involved in the manufacture of food.
- chloroplast
  - chlorophyll
  - photosynthesis
  - cellular respiration
- \_\_\_ 84. The flower stem is known as the \_\_\_\_\_.
- pedal
  - stigma
  - style
  - pedicel
- \_\_\_ 85. The collection of petals on a flower is referred to as the \_\_\_\_\_.
- ovary
  - inflorescence
  - corolla
  - solitary flowers
- \_\_\_ 86. Together, the sepals and the petals are called the \_\_\_\_\_.
- perianth
  - pedicel
  - inflorescence
  - corolla
- \_\_\_ 87. A symmetrical design will appear to be the same on each side of a \_\_\_\_\_ center line.
- horizontal
  - rectangular
  - squared
  - vertical
- \_\_\_ 88. Other floral design patterns that may be constructed by a florist are the \_\_\_\_\_, inverted T, \_\_\_\_\_, and a free form.
- left triangle, horizontal
  - converted triangle, vertical
  - right triangle, vertical
  - right triangle, horizontal
- \_\_\_ 89. Two major processes that direct growth and development are \_\_\_\_\_ and \_\_\_\_\_.
- carbon dioxide, respiration
  - glucose, photosynthesis
  - carbon dioxide, glucose
  - photosynthesis, respiration
- \_\_\_ 90. The harnessing of light energy is made possible by pigments found in \_\_\_\_\_.
- chloroplast
  - chlorophyll
  - photosynthesis
  - cellular respiration
- \_\_\_ 91. A simple equation for cellular respiration follows:
- $6\text{CO}_2 + 12\text{H}_2\text{O} \xrightarrow{\text{Light / Chlorophyll}} \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 + 6\text{H}_2\text{O}$
  - $\text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 + 6\text{H}_2\text{O} \rightarrow 12\text{H}_2\text{O} + 6\text{CO}_2 + \text{energy}$
  - none of the above
  - all of the above
- \_\_\_ 92. The offspring of 2 plants of the same or related species that differ genetically is said to be a \_\_\_\_\_.
- self-pollination
  - viability
  - hybrid
  - none of the above
- \_\_\_ 93. Flowers are \_\_\_\_\_ percent water.
- 60
  - 90
  - 40
  - 10
- \_\_\_ 94. The pH refers to the relative concentration of hydrogen ions in a solution and ranges from 1-14; \_\_\_\_\_ being acidic; \_\_\_\_\_ being neutral; being alkaline.
- 2-7; 1; 8-14
  - 8-14; 7; 1-6
  - 1-6; 7; 8-14
  - 1-4; 5-8; 9-14



- \_\_\_ 95. \_\_\_\_\_ is the ability of seeds to germinate under different conditions and still produce healthy seedlings.
- a. viability
  - b. vigor
  - c. pollination
  - d. hybrid
- \_\_\_ 96. The two best times to harvest are late afternoon and morning.
- a. True
  - b. False
- \_\_\_ 97. Daisies should be cut \_\_\_\_\_.
- a. in the bud stage
  - b. fully open
  - c. before the flower is fully opened
  - d. 2 days after fully opened
- \_\_\_ 98. The quality of seed used is very important to greenhouse growers. Seed quality refers to both \_\_\_\_\_ and \_\_\_\_\_.
- a. moisture, shelter
  - b. pH, growth
  - c. viability, vigor
  - d. light, darkness
- \_\_\_ 99. Spring bulb flowers such as \_\_\_\_\_, \_\_\_\_\_, or \_\_\_\_\_ may be harvested in the bud stage.
- a. roses, yucca, heather
  - b. carnations, roses, tulips
  - c. privet, carnations, poinsettias
  - d. tulips, daffodils, iris
- \_\_\_ 100. The condition that a plant loses water through pores in its leaves is called \_\_\_\_\_.
- a. perspiration
  - b. transpiration
  - c. condensation
  - d. oblovation
- \_\_\_ 101. Which of the following is not considered one of the general categories of nursery grown plants?
- a. Deciduous shrubs
  - b. Broadleaf evergreens
  - c. Ornamental ferns
  - d. Ornamental trees
- \_\_\_ 102. Which of the following is not considered a characteristic of a good propagation media?
- a. allows easy movement within the container
  - b. free of insects and disease
  - c. provides excellent aeration and drainage
  - d. good water holding capacity
- \_\_\_ 103. Which of the following are not one of the top ten nursery growing states?
- a. California
  - b. Texas
  - c. Ohio
  - d. Louisiana
- \_\_\_ 104. Which of the following is not a function of a good growing medium?
- a. Provide for storage of water
  - b. Provide for evaporation from plant
  - c. provide storage capacity for nutrients
  - d. provide anchorage and support for plant
- \_\_\_ 105. If the pH of the growing medium is too low, the quickest remedy is teh injections of acids to the irrigation system:
- a. True
  - b. False
  - c. Depends on the plant
  - d. Not enough information to answer
- \_\_\_ 106. The minimum optimum temperature for poinsettia growth is:
- a. 72 degrees F
  - b. 68 degrees F
  - c. 54 degrees F
  - d. 60 degrees F

- \_\_\_ 107. Which of the following is the primary reason for keeping flower buckets clean?
- Prevent bacterial growth
  - Prevent hydra wilt syndrome
  - Prevent cross pollination of incompatible species
  - Reduce algae proliferation
- \_\_\_ 108. Which of the following statements are true?
- Analogous colors are hues opposite each other on the color wheel.
  - Complimentary colors are hues next to each other.
  - Neither answer is correct.
  - Both answers are correct.
- \_\_\_ 109. If a florist was limited to two tools, the least useful ones would have to be:
- oasis and cardettes
  - pruning shears and wire cutters
  - sharp knife and floral shears
  - ribbon and anchor tape
- \_\_\_ 110. Flower preservatives should be used when conditioning flowers for which of the following reasons?
- intensify color
  - to aid in the absorption of dyes
  - prevent bacterial growth
  - none of the above
- \_\_\_ 111. The pH range most suitable for camellia is:
- 5.0- 5.5
  - 6.5- 7.5
  - 7.0- 8.0
  - 4.5- 5.5
- \_\_\_ 112. Wire sizes most often used by florists vary from \_\_\_ to \_\_\_.
- 04- 12
  - 00- 10
  - 18-30
  - none of the above
- \_\_\_ 113. A circular arrangement is a type of freestanding arrangement that can be seen from all sides:
- True
  - False
  - Must provide more information.
  - Only when considering wreaths.
- \_\_\_ 114. A good alternative for perlite, this material provides aeration in the root media:
- sand
  - rock wool
  - peat moss
  - vermiculite
- \_\_\_ 115. What is the major pest problem related to Boston fern?
- aphids
  - spider mites
  - white flies
  - none of the above
- \_\_\_ 116. What ingredient related to city water causes leaf tip browning in spider plants?
- Fluorine
  - Chlorine
  - Fluoride
  - All the above
- \_\_\_ 117. Adding soil amendments to growing medium can improve which of the following?
- composition
  - ability to drain
  - both of the above
  - neither of the above
- \_\_\_ 118. Which of the below is not considered a plant disease problem?
- leaf spot
  - crown and root rot
  - powdery mildew
  - calyx wilt
- \_\_\_ 119. The major colors of African Violet include:
- White, yellow, blue, red and purple
  - Red, purple, blue, pink and white
  - Purple, orange, red, white and mint
  - none of the above

- \_\_\_ 120. The growth regulator often used to control marketable plant heights of potted tulips, dahlias and lilies is:
- Benlate
  - Flore1
  - Bonzi
  - A-rest
- \_\_\_ 121. What temperature range will cause chilling injury to plants?
- 28-32 degrees F
  - 20-30 degrees F
  - 30-40 degrees F
  - 35-45 degrees F
- \_\_\_ 122. Interiorscape plants do not need large quantities of fertilizer and should only be fertilized in teh spring and summer
- True
  - False
- \_\_\_ 123. The ideal temperature range of interiorscape plants is:
- 60-65 F day/ 50-55 F night
  - 65-70 F day/ 45-55 F night
  - 70-80 F day/ 60-65 F night
  - none of teh above
- \_\_\_ 124. Which of the following is not a direct result of light intensity and duration in greenhouse crops?
- Growth
  - Color
  - Maturity
  - Radiation
- \_\_\_ 125. Which of the following are considered freestanding greenhouses:
- Quonset
  - Gothic Arch
  - Freestanding Uneven Span
  - All of the above
- \_\_\_ 126. Which of teh following would not be considered a typical duty of a floral manager?
- determining designs of arrangements
  - hiring and managing personnel
  - working with budgets
  - coordinating window displays
- \_\_\_ 127. 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".
- persistance
  - planned
  - persuasive
  - pleasant
- \_\_\_ 128. When studying the floral decorations of the earliest cultures, one learns that the Egyptians valued \_\_\_\_\_ and \_\_\_\_\_.
- simplicity and repetition
  - simplicity and variation
  - ornate and gothic tone
  - majestic and lavish
- \_\_\_ 129. A line mass design has a linear aspect and massed central area. It is a combination of the \_\_\_\_\_ line style and the \_\_\_\_\_ mass style.
- Roman and Egyptian
  - French and English
  - Japanese and European
  - Spanish and Dutch
- \_\_\_ 130. Who added dried flowers or grains to fresh floral designs?
- Romans
  - Egyptians
  - Chinese
  - Americans
- \_\_\_ 131. Nosegays, developed by the French, and the forerunner of today's wedding bouquets, were developed to provide a fragrant, handheld decoration during social events.
- True
  - False



- \_\_\_ 144. The flowers and leaves of a rose are mottled and streaked with silver, and dusty black droppings have collected. This damage is indicative of?
- Aphids
  - Thrips
  - Mold
  - Botulism
- \_\_\_ 145. Another term for a chenille stem is a pipe cleaner?
- True
  - False
  - depends on the cultivar
  - insufficient information to answer
- \_\_\_ 146. An arrangement of flowers in which the flowers have all fallen into the outer ring is commonly referred to as?
- limp syndrome arrangement
  - designer's nightmare
  - bottomless ring
  - doughnut arrangement
- \_\_\_ 147. A naturalistic design is an arrangement that looks like a \_\_\_\_\_.
- petite painting
  - miniature landscape
  - native plant collection
  - organic display
- \_\_\_ 148. All of the following are related to servicing a wedding except one. Which service does not belong in this group?
- set up the reception flowers
  - distribute and pin on flowers
  - anchor the aisle runner
  - coordinate throwing of bouquet
- \_\_\_ 149. How is the size of the casket display determined?
- budget
  - type of casket
  - religious affiliation
  - season of the year
- \_\_\_ 150. 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?
- changes in wholesale prices
  - overhead costs
  - failure to plan for profit
  - operating expenses, including labor
- \_\_\_ 151. Without a day / night fluctuation of \_\_\_\_\_ to \_\_\_\_\_ degree F, orchids will grow plenty of healthy foliage, but may stubbornly refuse to flower.
- 5 to 10
  - 10 to 15
  - 15 to 20
  - 20 to 25
- \_\_\_ 152. What is the major difference between sexual and asexual propagation?
- sexual is genetically the same from the same parent plants, asexual is genetically different from the parent plants
  - sexual is genetically different from the parent plants, asexual are genetical duplicates from the parent plants
  - neither a nor b
  - there is not a major difference in sexual and asexual propagation.
- \_\_\_ 153. Today, imports account for very little of the cut flowers sold in the US?
- True
  - False
- \_\_\_ 154. What gives growers the ability to control environmental conditions affecting a crop?
- greenhouses
  - sunlight
  - farmers almanac
  - soil
- \_\_\_ 155. Shape is two dimensional while form is \_\_\_\_\_?
- two dimensional also
  - three dimensional
  - flat
  - one dimensional

- \_\_\_ 156. Proper handling of flowers serves to extend their vase life or the length of time the flowers and the foliage live after they have been cut.
- True
  - False
- \_\_\_ 157. The covering of a greenhouse is often referred to as the \_\_\_\_\_.
- glazing
  - framework
  - roof
  - glistening factor
- \_\_\_ 158. \_\_\_\_\_ are devices used to automatically turn greenhouse systems on or off.
- energy curtains
  - power switches
  - automatic on/off switches
  - environmental controls
- \_\_\_ 159. \_\_\_\_\_ is the best glazing materials for the production of greenhouse crops.
- glass
  - polyethylene
  - retractable roofing
  - metal
- \_\_\_ 160. Leaves are \_\_\_\_\_ with the responsibility for making \_\_\_\_\_.
- organs, beauty
  - shading, food
  - beauty, shading
  - organs, food
- \_\_\_ 161. Most photosynthetic activity occurs in the \_\_\_\_\_ cells.
- cytoplasm
  - mesophyll layer
  - chlorophyll
  - mitotic spindle
- \_\_\_ 162. Roots support the above ground growth of a plant because they absorb \_\_\_\_\_ and \_\_\_\_\_, and they \_\_\_\_\_ the plant.
- light, rain, shield
  - water, minerals, anchor
  - none of these
  - both a and b
- \_\_\_ 163. \_\_\_\_\_ are the reproductive organs of the plant.
- Flowers
  - Seeds
  - Leaves
  - Roots
- \_\_\_ 164. Plants have only two main structures.
- True
  - False
- \_\_\_ 165. A single flower on a stem or peduncle is called a \_\_\_\_\_.
- dwarf flower
  - miniature flower
  - solitary flower
  - petal flower
- \_\_\_ 166. Cellular respiration is the \_\_\_\_\_ of photosynthesis in that energy is released as teh stored sugars are broken down.
- same
  - reverse
  - product
  - none of the above
- \_\_\_ 167. \_\_\_\_\_ is responsible for cell division and differentiation.
- chlorophyll
  - carbon dioxide
  - cytokins
  - enzymes
- \_\_\_ 168. \_\_\_\_\_ are naturally occurring chemicals produced by plants to \_\_\_\_\_ growth.
- hormones, regulate
  - cells, reduce
  - leaves, stems
  - cuttings, root



- \_\_\_ 183. An English painter by the name of \_\_\_\_\_ developed the S curve in the 18th century because he thought a curving line was more pleasing to the eye.
- |                     |                     |
|---------------------|---------------------|
| a. Harry Potter III | c. William Hogwarth |
| b. Robert Hooke     | d. Leonardo Divinci |
- \_\_\_ 184. Name the colors in the color wheel in order.
- |   |  |
|---|--|
| a. red, orange, yellow, green, blue, violet | c. purple, black, yellow, pink, red, white |
| b. yellow, green, red, violet, orange, blue | d. none of the above                       |
- \_\_\_ 185. 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 |
- \_\_\_ 186. Shape and form are \_\_\_\_\_ in floral design.
- |              |          |
|--------------|----------|
| a. different | c. equal |
| b. the same  | d. even  |
- \_\_\_ 187. A foot candle is the same as the amount of light falling on \_\_\_\_\_.
- |   |   |
|---|---|
| a. 1 square inch of surface locate 1 foot away from one candle. | c. 1 square foot of surface locate 1 foot away from one candle. |
| b. 1 linear foot of surface locate 1 foot away from one candle. | d. none of the above  |
- \_\_\_ 188. 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. |
- \_\_\_ 189. 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 |
- \_\_\_ 190. 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 |
- \_\_\_ 191. There are six design elements to floral design \_\_\_\_\_, form (shape), \_\_\_\_\_, texture, pattern, and \_\_\_\_\_.
- |                           |                      |
|---------------------------|----------------------|
| a. line, space, color     | c. both a and b      |
| b. circle, zig zags, size | d. none of the above |
- \_\_\_ 192. 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 |
- \_\_\_ 193. 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 |
- \_\_\_ 194. Damping off is a common \_\_\_\_\_ disease in germinating seeds and seedlings.
- |              |                      |
|--------------|----------------------|
| a. viral     | c. fungal            |
| b. bacterial | d. none of the above |



- \_\_\_ 195. There are 17 elements needed to provide the necessary plant nutrients. Macronutrients are the \_\_\_\_\_ nutrients and are needed in \_\_\_\_\_ amounts.
- a. major, larger
  - b. minor, larger
  - c. major, smaller
  - d. minor, smaller
- \_\_\_ 196. The international wholesale market for cut flowers and foliage is located in \_\_\_\_\_.
- a. America
  - b. Canada
  - c. Holland
  - d. Peru
- \_\_\_ 197. The oriental cultures that developed while the Greek and Roman cultures were developing had their own floral practices. One that is still taught today is the \_\_\_\_\_ design method.
- a. Williamsburg
  - b. Peking
  - c. Ikenobo
  - d. Ikenburg
- \_\_\_ 198. Three factors are very important when considering water quality for fresh flowers. They are:
- a. sugar level, carbonation, color
  - b. pH, hardness/ softness, salinity
  - c. type of vase, type of flower, color of vase
  - d. temperature, lighting, level of water
- \_\_\_ 199. The Ikenbo floral design style was developed in what country?
- a. America
  - b. China
  - c. Japan
  - d. Holland
- \_\_\_ 200. For optimum vase life, most cut flowers should be stored at temperatures as close to \_\_\_\_\_ degrees F as possible.
- a. 35
  - b. 30
  - c. 40
  - d. 50
- \_\_\_ 201. \_\_\_\_\_ is regarded as the easiest ribbon with which to work.
- a. velvet
  - b. plastic
  - c. burlap
  - d. satin
- \_\_\_ 202. Number 40 ribbon is \_\_\_\_\_ inches wide.
- a. 2 11/16"
  - b. 1 7/16"
  - c. 2"
  - d. 5/8"
- \_\_\_ 203. Number 9 ribbon is \_\_\_\_\_ inches wide.
- a. 2 11/16"
  - b. 1 7/16"
  - c. 2"
  - d. 5/8"
- \_\_\_ 204. Number 3 ribbon is \_\_\_\_\_ inches wide.
- a. 2 11/16"
  - b. 1 7/16"
  - c. 2"
  - d. 5/8"
- \_\_\_ 205. Number 5 ribbon is \_\_\_\_\_ inches wide.
- a. 1"
  - b. 1/2"
  - c. 7/8"
  - d. 5/16"
- \_\_\_ 206. Number 1 ribbon is \_\_\_\_\_ inches wide.
- a. 1"
  - b. 1/2"
  - c. 7/8"
  - d. 5/16"

- \_\_\_\_ 207. 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      |
- \_\_\_\_ 208. An entire roll of ribbon is called a \_\_\_\_\_.
- |              |                       |
|--------------|-----------------------|
| a. accessory | c. roll               |
| b. bolt      | d. none of the above. |
- \_\_\_\_ 209. Ribbon varies in \_\_\_\_\_.
- |            |                  |
|------------|------------------|
| a. texture | c. workability   |
| b. pattern | d. all the above |
- \_\_\_\_ 210. A floral design must use the basic principles of design that include:
- |                        |                          |
|------------------------|--------------------------|
| a. balance and harmony | c. scale and focal point |
| b. unity and rhythm    | d. all the above         |
- \_\_\_\_ 211. What type of balance can be used to create and design with an informal approach?
- |                 |                |
|-----------------|----------------|
| a. symmetrical  | c. isometrical |
| b. asymmetrical | d. circular    |
- \_\_\_\_ 212. The basic principle of design that creates interest and accent in a floral design is?
- |            |                |
|------------|----------------|
| a. balance | c. scale       |
| b. harmony | d. focal point |
- \_\_\_\_ 213. An accent is used in a design to?
- |                                 |                                  |
|---------------------------------|----------------------------------|
| a. draw attention to the design | c. emphasize an area of interest |
| b. create a focal point         | d. all the above                 |
- \_\_\_\_ 214. 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 |
- \_\_\_\_ 215. The design of a floral arrangement should be \_\_\_\_\_ times the height or width of the container.
- |           |               |
|-----------|---------------|
| a. 2 to 3 | c. 1 to 2     |
| b. 3 to 4 | d. 1 1/2 to 2 |
- \_\_\_\_ 216. A circular design does not have:
- |                |                      |
|----------------|----------------------|
| a. balance     | c. harmony           |
| b. focal point | d. none of the above |
- \_\_\_\_ 217. Roses, carnations, chrysanthemums, zinnias and tulips are all examples of \_\_\_\_\_ flowers.
- |         |           |
|---------|-----------|
| a. mass | c. form   |
| b. line | d. filler |
- \_\_\_\_ 218. Bird of Paradise, lilies and orchids are examples of \_\_\_\_\_ flowers.
- |         |           |
|---------|-----------|
| a. Mass | c. Form   |
| b. Line | d. Filler |
- \_\_\_\_ 219. Ferns, baby's breath, statice, croton, huckleberry are all examples of \_\_\_\_\_ flowers.
- |         |           |
|---------|-----------|
| a. Mass | c. Form   |
| b. Line | d. Filler |

- \_\_\_\_ 220. Which is another name for florist tape?  
a. green tape  
b. parafilm  
c. wax tape  
d. none of the above
- \_\_\_\_ 221. If a hue is diluted with gray, the resulting color is called a \_\_\_\_\_.  
a. contrast  
b. tone  
c. pastel  
d. none of the above
- \_\_\_\_ 222. The order of elements in a 5-10-18 is:  
a. N, P, K  
b. P, K, N  
c. K, P, N  
d. none of the above
- \_\_\_\_ 223. \_\_\_\_\_ regulate water vapor loss in the leaf.  
a. spongy mesophyll  
b. inclusive membranes  
c. guard cells  
d. stomata
- \_\_\_\_ 224. The treatment given to Easter lilies to speed flowering is called:  
a. hormone treatment  
b. hardening off  
c. presale  
d. precooling
- \_\_\_\_ 225. Which of the florist crops below are propagated by cuttings?  
a. Carnation  
b. Azalea  
c. Chrysanthemum  
d. All the above
- \_\_\_\_ 226. The highest percentage of floral sales in the industry is made by \_\_\_\_\_ sales.  
a. walk in  
b. Internet  
c. telephone  
d. none of the above
- \_\_\_\_ 227. The Alstroemeria is most closely related to the:  
a. Easter lily  
b. Carnation  
c. Bird of Paradise  
d. Orchid
- \_\_\_\_ 228. Which is not a primary color?  
a. Red  
b. Orange  
c. Yellow  
d. Blue
- \_\_\_\_ 229. The most important cut flower crops in the US are:  
a. mums  
b. rose  
c. carnations  
d. all the above
- \_\_\_\_ 230. The larger the gauge floral wire indicates that the thickness is:  
a. thicker  
b. thinner
- \_\_\_\_ 231. Optimum temperatures for poinsettia growth is:  
a. 60- 80 degrees F  
b. 40- 50 degrees F  
c. 80- 90 degrees F  
d. 50- 60 degrees F
- \_\_\_\_ 232. The showy red, pink, or white portions of the poinsettia are called:  
a. flowers  
b. leaves  
c. calyx  
d. bracts
- \_\_\_\_ 233. The unit of heat measurement used in the greenhouse industry is the:  
a. Natural gas  
b. kilowatt hour  
c. BTU  
d. Propane tank





**Floriculture Test Bank B**  
**Answer Section**

**MULTIPLE CHOICE**

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

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

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



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

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

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