

Floriculture Test Bank A

Multiple Choice

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

- _____ 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
- _____ 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
- _____ 3. The common name for an Achimenes hybrid is _____.
a. Monkshood c. Anemone
b. Kangaroo-paw d. Hot Water Plant
- _____ 4. The common name for an Anigozanthos (Labill) is _____.
a. Kangaroo-Paw c. Monkshood
b. Hot Water Plant d. Anemone
- _____ 5. The Christmas Peppers scientific name is _____.
a. Cosmos bipinnatus Cav. c. Crossandra infudibuliformis
b. Crocus vernus Hill d. Capsicum annum L.
- _____ 6. _____ have become important American pot plants in the last ten years because of their relatively low price at \$15-\$30, and the hardiness of plant once grown to flowering size.
a. Phalaenopsis orchids c. Easter Lillies
b. Poinsettias d. Christmas peppers
- _____ 7. The Liliun longiflorum are produced on the _____ around the _____ border.
a. east coast; Maine-New Hampshire c. West Coast; Oregon-California
b. gulf coast; Texas-Mexico d. east coast; Florida-Georgia
- _____ 8. 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
- _____ 9. For most floriculture crops, the average daily temperature (ADT) primarily controls flowering.
a. True - for temperatures maintained within the broad optimum temperatures range of 50*-85°F (10*-20* C) c. True - for temperatures maintained within the broad optimum temperatures range of 85*-100* F (10*-29* C)
b. True - for temperatures maintained within the broad optimum temperatures range of 29*-49* F (30*-49* C) d. False

- _____ 21. _____: young leaves develop interveinal chlorosis, however, the tip and lobes of these leaves may remain green. Next, the youngest fully expanded leaves rapidly become necrotic. The sudden death of these leaves resembles desiccation.
- copper deficiencies
 - boron deficiencies
 - molybdenum deficiencies
 - boron toxicities
- _____ 22. For most floriculture crops, the average daily temperature (ADT) primarily controls flowering.
- True- for temperatures maintained within the broad optimum temperatures range of 50 degrees- 85 degrees F. (10-20 degrees Celsius)
 - True- for temperatures maintained within the broad optimum temperatures range of 29 degrees 49 degrees F. (30-49 degrees Celsius)
 - True- for temperatures maintained within the broad optimum temperatures range of 85-100 degrees F. (10-29 degrees Celsius)
 - False
- _____ 23. The ADT formula is:
- $ADT = (\text{day temperature} \times \text{hours}) + (\text{night temperatures} \times \text{hours}) + 12$
 - $ADT = (\text{day temperature} - \text{hours}) \times (\text{night temperatures} + \text{hours}) / \text{by } 24$
 - $ADT = (\text{day temperature} \times \text{hours}) - (\text{night temperatures} \times \text{hours}) \times 12$
 - $ADT = (\text{day temperature} \times \text{hours}) + (\text{night temperatures} \times \text{hours}) + 24$
- _____ 24. The common name for *Aconitum napellus* L. is_____.
- Alstroemeria
 - Hot Water Plant
 - Monkshood
 - Anemone
- _____ 25. The common name for *Anemone coronaria* L. is _____.
- Alstromeria
 - Hot Water Point
 - Monkshood
 - Anemone
- _____ 26. The Christmas Peppers take_____ from seeding to sales for 4 inch (10 cm) specimens when seeded in the springs and summers.
- 6 weeks
 - 6 months
 - 14 weeks
 - 2 months
- _____ 27. *Phalaneopsis* is a genus within the Orchidaceae family. It is most widely_____ and most important commercial genus in the orchid family.
- propagated
 - planted
 - sold
 - segregated
- _____ 28. Lily bulb production requires_____to_____ growth in the field, depending on size and whether scale production is used or plants are started from bulblets (small bulbs formed around the belowground stem above the bulb).
- one, three months
 - two, four years
 - two, four months
 - five, seven years
- _____ 29. _____ are the most profitable major holiday potplant crop produced.
- Christmas Peppers
 - Poinsettias
 - Valentine Roses
 - Easter Lilies
- _____ 30. In regard to the *Lilium longiflorum*, how many weeks to finish after vernalization?
- 16
 - 23
 - 4
 - 12

- ___ 31. _____ artificially accelerates a plants _____.
- | | |
|-------------------------|-----------------------|
| a. Pinching, branching | c. Squeezing, seeding |
| b. Squeezing, branching | d. Pinching, seeding |
- ___ 32. Pinching artificially accelerates a plants branching.
- | | |
|---------|----------|
| a. True | b. False |
|---------|----------|
- ___ 33. Nature provides protection for plants to prevent them from becoming top heavy and unstable. _____ is the principle that provides this protection; it describes the hierarchy that has evolved in the plant world that makes certain that a plant's architecture is sound.
- | | |
|---------------------|-----------------------|
| a. Pinching | c. Lateral branching |
| b. Apical dominance | d. Tertiary branching |
- ___ 34. Orchids are extremely durable and have no sensitivity to ethylene gas.
- | | |
|---------|----------|
| a. True | b. False |
|---------|----------|
- ___ 35. Mother's Day was first celebrated on the second Sunday in May in Lincoln, Nebraska, in _____. It quickly caught on as a widespread holiday in other states.
- | | |
|---------|---------|
| a. 1922 | c. 1908 |
| b. 1956 | d. 1965 |
- ___ 36. _____ are short, stocky candles that are very popular at Christmas.
- | | |
|-------------------|------------------|
| a. Cornucopia | c. Paddle wire |
| b. Votive candles | d. Santa candles |
- ___ 37. An S-shaped line mass design is a _____ curve.
- | | |
|-------------|-----------------|
| a. crescent | c. naturalistic |
| b. oval | d. Hogarth |
- ___ 38. The combination method employs a chenille stem inserted into the ____ -inch stem of the flower.
- | | |
|--------|------|
| a. 2 | c. 1 |
| b. 1/2 | d. 4 |
- ___ 39. A _____ is an area located in the lower half of the design that ties or visually pulls an arrangement together.
- | | |
|-----------------------|------------------------|
| a. center of interest | c. conical centerpiece |
| b. candelbra design | d. calyx |
- ___ 40. The cornucopia, or horn of plenty, has been used for centuries as a symbol of _____.
- | | |
|-----------------|----------------|
| a. fruitfulness | c. distinction |
| b. abundance | d. love |
- ___ 41. Unity is lacking when the arrangement cannot be divided into separate parts.
- | | |
|---------|----------|
| a. True | b. False |
|---------|----------|
- ___ 42. The size of flower stem wire is listed according to its gauge number. The higher the gauge number, the finer the wire.
- | | |
|---------|----------|
| a. True | b. False |
|---------|----------|
- ___ 43. An equilateral triangle-shaped arrangement will be as _____ as it is _____.
- | | |
|----------------|-----------------|
| a. round, tall | c. tall, wide |
| b. round, wire | d. short, round |

- _____ 44. 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 |
- _____ 45. _____ 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 |
- _____ 46. 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 |
- _____ 47. 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 |
- _____ 48. 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 |
- _____ 49. _____ is the floral temple style of Japanese floral design, characterized by the massive, symmetrical arrangement of flowers in bronze ceremonial vases.
- | | |
|-----------|-----------|
| a. Shokwa | c. Rikkwa |
| b. Soe | d. Tai |
- _____ 50. Nontraditional 20th century flower arranging styles can be arbitrarily divided into two types known as radial structure and the interest-equated style, based on the method of construction.
- | | |
|---------|----------|
| a. True | b. False |
|---------|----------|
- _____ 51. The difference between an informal boutonniere and a formal boutonniere is the informal boutonniere has a green piece attached behind the flower held in place with floral tape.
- | | |
|---------|----------|
| a. True | b. False |
|---------|----------|
- _____ 52. 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 peek |
| b. full, church steeple | d. full, mountain peek |
- _____ 53. The American style of flower arranging is based on the _____ element of design.
- | | |
|------|------|
| a. 2 | c. 6 |
| b. 4 | d. 7 |
- _____ 54. 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 |

- _____ 55. _____ is the ancient Japanese floral style created by the Buddhist priest Senchin. These designs were constructed in an asymmetrical style in low, flat containers.
- Showka
 - Rikkwa
 - Soe
 - Tai
- _____ 56. The famous painter Della Robbia is remembered for his symmetrical treatments of wreaths and garlands made of dull colored fruits, peppers, cones, berries, foliage, and flowers.
- True
 - False
- _____ 57. Who first developed the “rules” of the floral design?
- French of the Industrial Era
 - Indians of the Columbus Era
 - Greeks of the Roman Era
 - English of the Victoria Era
- _____ 58. What are the four types or shapes of plant material?
- circle, square, rectangle, pyramid
 - line, form, square, balance
 - shape, mass, symmetrical, triangle
 - line, form, mass, filler
- _____ 59. The art of any period of civilization reflects the tastes and ideas of that time and place. In general, _____ and _____ flower arrangements have emphasized mass and color.
- China, Japan
 - Georgian, Victorian
 - Mediterranean, Europe
 - Renaissance, French
- _____ 60. The French Period was from _____.
- 1550, 1760
 - 1400, 1600
 - 475, 1400
 - 1715, 1800
- _____ 61. During the French Period, the court life, beginning with King Louis XIV (1638-1715) in France, greatly influenced the art forms of Europe in the late 17th and 18th centuries. The tone was one of luxury, magnificence, and elegance, but the styles of flower _____ and _____ were characterized by mild restraints.
- painting, arranging
 - cascading, arranging
 - curves, motifs
 - shells, scrolls
- _____ 62. Dahlias flower morphology is simple and flower size varies from larger than 9.25 in. to less than 4 cm.
- True
 - False
- _____ 63. Boutonnieres and corsages are supplemental to apparel and should accent the clothing, not detract from it while the flowers used should reflect the time of year or season, not the event or reason for the celebration.
- True
 - False
- _____ 64. _____ 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.
- Art Nouveau
 - Art Bonified
 - Art Classified
 - Art Deco
- _____ 65. _____ is curvilinear lines, cascading works, with nature’s patterns of plants and flowers depicted either in the arrangement or in the container.
- Art Nouveau
 - Art Bonified
 - Art Classified
 - Art Deco
- _____ 66. The most common type of florist ribbon used is a waterproof _____ with a _____ edge.
- unsanitized acetate, fused
 - nylon ribbon, round
 - sanitized acetate, fused
 - nylon ribbon, sharp

- ___ 67. 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
- ___ 68. _____ 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
- ___ 69. The most important consideration in setting up an irrigation system is water _____.
a. pressure c. quality
b. concentration d. volume
- ___ 70. 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
- ___ 71. 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
- ___ 72. The _____ the alkalinity level, the _____ the pH of soilless medium will _____.
a. lower, slower, decrease c. higher, quicker, increase
b. higher, slower, increase d. lower, quicker, decrease
- ___ 73. Each plant has an optimum temperature range. In general, if you were to lump all floriculture crops together, you would find the optimum range is from 35-50 degrees Fahrenheit (2-10 degrees Celsius) on the lower side and _____ degrees Fahrenheit (_____ degrees Celsius) on the upper side
a. 55-70, 12-17 c. 51-64, 11-19
b. 65-85, 18-29 d. 75-90, 30-40
- ___ 74. During propagation, such as seed germination and plug seedling production, and in liner (rooted cutting) production, temperatures are _____ than they are during finished crop production.
a. higher c. inconsistent
b. lower d. none of the above
- ___ 75. Temperature is the only way will control how quickly your plants grow.
a. true b. false
- ___ 76. Bonzi is one of the more _____ PGRs (plant growth regulators)
a. inactive c. limited
b. differential d. active
- ___ 77. 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
- ___ 78. _____ 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

- ___ 79. In the 1980s, “Architectural” arrangements that were angular and linear took the place of the “_____”.
- square-bails
 - circular-pillars
 - round-moundy’s
 - none of the above
- ___ 80. 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.
- underwater, preservative, raises
 - horizontally, preservative, lowers
 - underwater, hydrating, lowers
 - none of the above
- ___ 81. _____ are green plastic tube-like reservoirs with rubber caps, into which the flower stem is inserted.
- wood picks
 - metal picks
 - water picks
 - designer pick
- ___ 82. _____ attached with a heavy-duty picking machine. a sharp, pointed, barbed shaft is attached to the flower or foliage.
- wood picks
 - metal picks
 - water picks
 - designer pick
- ___ 83. _____ available in green and natural colors. they are pointed on one end for easy insertion with or without attached wires on the other side.
- wood picks
 - metal picks
 - water picks
 - designer pick
- ___ 84. _____ involve tubing that provides water to individual pots.
- flow benches
 - spaghetti tubes
 - tray mechanization
 - capillary mats
- ___ 85. _____ is obtained from nature and is the result of weathered rocks.
- plant nutrition
 - macro-nutrients
 - mineral soil
 - none of the above
- ___ 86. Calcium, magnesium, and sulfur are said to be _____ macro-nutrients because plants need moderate amounts.
- primary
 - secondary
 - slow release
 - none of the above
- ___ 87. Plant growth is dependent on _____ essential elements, often referred to as nutrients.
- 9
 - 13
 - 3
 - 17
- ___ 88. Poinsettia’s history shows that Poinsettias represented purity and served as a reminder of the blood sacrifices to the Aztec people.
- True
 - False
- ___ 89. National Poinsettia day is December _____, the anniversary of the death of Joel Robert Poinsettia.
- 19
 - 5
 - 12
 - 21
- ___ 90. _____ is a feathered single flower made from the florets of a gladiolus flower.
- Tendrill
 - Bias
 - Var
 - Glamellia

- ___ 91. Plants covert chemical energy into light energy which results in plant growth.
a. True b. False
- ___ 92. Wavelengths are measured in_____ with specific wavelengths corresponding to specific _____.
a. nanometers, color c. centimeters, weight
b. kilometers, size d. pedometers, width
- ___ 93. Photoperiodism is a phytochrome-mediated response.
a. True b. False
- ___ 94. 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
- ___ 95. Dahlias are native to the mountains of _____.
a. Mexico c. Ireland
b. Switzerland d. New England
- ___ 96. Growth is best for Helianthus annus L. between _____ and _____ sun is always preferred.
a. 75 to 85 F, full c. 55 to 75 F, partial
b. 45 to 65 F, partial d. 65 to 75 F, full
- ___ 97. _____ is an example of a species that is commercially cultivated.
a. Seed hydration c. Stratification
b. Exacum affine d. Scarification
- ___ 98. When spores germinate, they form a small _____ leaf like structure known as the prothallus.
a. black c. green
b. yellow d. brown
- ___ 99. _____ is any method of breaking through hard, water-impermeable seed coats to allow water to penetrate.
a. Seed hydration c. Stratification
b. Exacum affine d. Scarification
- ___ 100. Disadvantages to Pregermination 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
- ___ 101. Floral supply companies focus their inventories on hard goods and tools but primarily on fresh flowers and foliage.
a. True b. False
- ___ 102. _____ were historically the first people to use flowers for decorative purposes.
a. Egyptians c. Europeans
b. Japanese d. Greeks and Romans
- ___ 103. 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
- ___ 104. 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

- ___ 105. The point at which the plant is receiving as much light energy as it can use is the _____ point.
- Light completion
 - Light saturation
 - Light compensation
 - Light fabrication
- ___ 106. The *Euphorbia pulcherrima* a _____ day plant, is induced to flower by providing _____ nightstand _____ days.
- Long, short, long
 - Short, short, long
 - Short, long, short
 - Long, long, short
- ___ 107. The floral industry is an international, multitrillion dollar industry.
- True
 - False
- ___ 108. The floral design of the _____ influence emphasizes careful and significant placement of every flower, branch, or leaf.
- Egyptians
 - Greeks and Romans
 - Japanese
 - Italians
- ___ 109. Consumers encounter *Alstroemeria* frequently in the retail marketplace, as it is one of the world's top _____ cut flowers.
- Fifteen
 - Five
 - Fifty
 - Ten
- ___ 110. The *Antirrhinum majus* is also known as the _____.
- Snapdragon
 - Poinsettia
 - Daisy
 - Carnation
- ___ 111. *Alstroemeria* hybrids are also known as _____.
- Princess Lily
 - Iris
 - Snapdragon
 - Oriental Lily
- ___ 112. *Zantedeschia rehmannii*, *Z. elliotiana*, *Z.* hybrids also known as _____.
- Christmas Lily
 - Peace Lily
 - Easter Lily
 - Calla Lily
- ___ 113. Iron deficiency, identified by blackening or interval chlorosis of young leaves, is the primary primary problem for plants growing in a low pH medium.
- True
 - False
- ___ 114. Seed-grown tubers generally produces _____ eyes, which means plants will have a _____ number of flowers and leaf spouts.
- fewer, higher
 - more, higher
 - more, lower
 - fewer, lower
- ___ 115. Most Callas sold today from the United Staes are three years old true seed hybrids.
- true
 - false
- ___ 116. Floriculture is defined literally as “_____” but includes florist shops, flower retailers, wholesale florist, production greenhouses and floral supply companies.
- culture of flowers
 - industry of flowers
 - culture of horticulture
 - culture of floral arranging

- ___ 117. _____ provides even faster seedling production than other hydration methods and results in 100% usable seedlings.
- seed hydration
 - mechanization treatments
 - matricconditioning
 - Pregermination
- ___ 118. The _____ point is the light intensity at which the plant is receiving as much energy from the light during photosynthesis as it is during respiration.
- light completion
 - light saturation
 - light compensation
 - light fabrication
- ___ 119. Although general plant growth usually requires light with all wavelengths _____ and _____ wave lengths result in the greatest plant growth response.
- yellow (580nm), green (530nm)
 - green (530), purples (530)
 - red (700), blue (470)
 - yellow (580), blue (280)
- ___ 120. The Italian Renaissance was significant during the _____ centuries.
- 17th and 18th
 - 15th and 16th
 - 12th and 14th
 - 14th and 15th
- ___ 121. The placement of three main flowers or branches signifies _____, _____ and _____.
- man, woman, child
 - earth, love, family
 - emotion, wealth, family
 - heaven, man, earth
- ___ 122. Place cut *Antirrhinum majus* stems vertically as soon as possible after harvest; stems placed horizontally may begin to bend upward in as little as _____.
- 30 minutes
 - 5 hours
 - 2 hours
 - 60 minutes
- ___ 123. When the source of _____ is removed, the concentration of the _____ drops quickly, thereby releasing lateral branches from _____ dominance and allowing them to develop.
- auxin, inhibitory, apical
 - tunic, potassium, atypical
 - tunic, hormone, atypical
 - auxin, hormone, atypical
- ___ 124. _____ is similar to seed hydration except the process is allowed to progress further until the seed coat splits and the radical becomes visible.
- micropropagation
 - mechanization treatments
 - stratification
 - pregermination
- ___ 125. _____ is a technique used by seed suppliers to imbibe the seed and begin germination, but then stop the process before the radical (root) emerges.
- seed hydration
 - mechanization treatments
 - matricconditioning
 - pregermination
- ___ 126. Stratification is the application of a moist chilling treatment of 32 to 50 F (0 to 10 C) to seeds.
- white
 - black
 - gray
 - brown
- ___ 127. Measuring light requires the use of _____ factor(s)
- 1
 - 5
 - 4
 - 3
- ___ 128. Light has _____ function(s) in plant growth
- 1
 - 3
 - 2
 - 4

- ___ 129. *Helianthus annuus* L. is the most commonly grown _____ species.
- carnations
 - snapdragons
 - poinsettia
 - sunflowers
- ___ 130. *Dianthus caryophyllus* is a native of the _____ area, originally flowering only in the early spring.
- Mediterranean
 - Bahamas
 - South America
 - Central America
- ___ 131. Dahlias flower morphology is complex and flower size varies from larger than _____ to less than _____ in diameter.
- 10.25 in., 9 in
 - 8.25 in., 4 in
 - 9.25 in., 6 in
 - 7.75 in., 3.75 in
- ___ 132. Plants grown under light high in _____ wavelengths will be short, dark green, and well branched.
- blue
 - green
 - red
 - yellow
- ___ 133. Sunflowers require low nutritional levels.
- true
 - false
- ___ 134. Treated seed virtually _____ viral, fungal, and bacterial disease at the time of planting, greatly _____ disease in professional grower products.
- creates, eliminating
 - initiates, increasing
 - creates, increasing
 - eliminates, reducing
- ___ 135. There are two different purposes for using artificial lighting. First, lamps can be used to provide additional light to increase photosynthesis and plant growth. This is termed _____ lighting. Second, lamps can be used to alter the photoperiod perceived by the plants. This is termed _____ lighting.
- high, frame
 - secondary, illusion
 - supplemental, photoperiodic
 - synthetic, capturing
- ___ 136. Many growers apply a shading compound or shade cloth from _____ to _____ to reduce heat stress that results from high light levels entering the greenhouse.
- late spring, early fall
 - early fall, early spring
 - late summer, late fall
 - late winter, early summer
- ___ 137. *Alstroemeria* produce two types of shoots _____ and _____.
- nonflowering, vegetative
 - staggered, flowering
 - flowering, vegetative
 - upright, nonflowering
- ___ 138. *Botrytis* blight is also known as _____.
- Calla delight
 - tulip fire
 - Rose Midge
 - daffodil delight
- ___ 139. Sympathy flowers are important to _____ the deceased and _____ the living.
- grieve, inspire
 - grieve, express
 - express, remind
 - honor, comfort
- ___ 140. Floral arrangements designed with visual paths along which the eye is led from one point of interest to another are called _____.
- line arrangements
 - abstract arrangement
 - mass arrangements
 - naturalistic arrangement

- ___ 141. The snapdragon is also known as _____.
 a. *Antirrhinum majus* c. *Aquilegia flabellata*
 b. *Alstroemeria hybrids* d. *Argyranthemum*
- ___ 142. Tissue-cultured plantlets require special attention during the acclimation process from the laboratory to the greenhouse in order to avoid _____ and ensure crop _____.
 a. overcrowding, individually c. losses, uniformity
 b. losses, individually d. tinting, acclimation
- ___ 143. Consumers encounter *Alstroemeria* frequently in the retail marketplace, as it is one of the World's top _____ cut flowers.
 a. five c. fifty
 b. ten d. fifteen
- ___ 144. A physiological disorder of geraniums caused by high moisture levels in the root media is _____.
 a. pythium c. botrytis blight
 b. bacterial blight d. oedema
- ___ 145. Orchids are distinguished from other flowers by a structure called the sepal.
 a. true c. none of the above
 b. false d. all of the above
- ___ 146. The single most important aspect of perennial gardening is _____.
 a. control of plant height c. timing the bloom
 b. pH balance and H₂O formula d. determining location of garden
- ___ 147. There are two different purposes for using artificial lighting. First, lamps can be used to provide additional light to increase photosynthesis and plant growth. this is termed _____ lighting. Second, lamps can be used to alter the photoperiod perceived by the plants. This is termed _____ lighting.
 a. supplemental, photoperiodic c. secondary, illusion
 b. high, frame d. synthetic, capturing
- ___ 148. *Dianthus caryophyllus* is the genus and species for which flower?
 a. lily c. carnation
 b. orchid d. baby's breath
- ___ 149. If the pH of the growing medium is too low, the quickest remedy is the injection of acids into irrigation system.
 a. true c. none of the above
 b. false d. all of the above
- ___ 150. 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
- ___ 151. For vertical color, whether it is in the garden, a cut flower bouquet or an arrangement, you cant beat *Antirrhinum majus*.
 a. true c. none of the above
 b. false d. all of the above
- ___ 152. *Alstroemeria hybrids* are also known as _____.
 a. oriental lily c. iris
 b. snapdragon d. princess lily

- ___ 153. Many growers apply a shading compound or shade cloth from late spring to early fall to reduce heat stress that results from high light levels entering a greenhouse.
- true
 - false
 - none of the above
 - all of the above
- ___ 154. The conductive tissue in the stem that transports water and minerals from roots to the leaves is called the _____.
- pistil
 - stigma
 - xylem
 - pedicel
- ___ 155. The term texture as it applies to plants includes such adjectives as _____, _____, and _____.
- entire, serrate, lobed
 - fine, medium, bold
 - smooth, fuzzy, spiny
 - corymbose, umbel, panicle
- ___ 156. 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.
- plant species, naturally
 - root system, naturally
 - commercial plant, unnatural
 - plant species, fabricated
- ___ 157. The unique characteristics of a species are usually transmitted to the next generation through _____ or _____.
- roots, bulbs
 - seeds, spores
 - seeds, soil
 - spores, bulbs
- ___ 158. Scarification is the only method of breaking through hard, water impermeable seed coats to allow water to penetrate.
- True
 - False
- ___ 159. Mineral soil is ___ to ___ times heavier than the other components used in growing media.
- 2, 3
 - 10, 50
 - 7, 49
 - 1, 10
- ___ 160. One mold can harm your crop by preventing water from penetrating into the mix. This fungus is found in pine bark storage piles and has a gray threadlike structure (mycelium) that repels water.
- True
 - False
- ___ 161. There are several mold genera that are found in bark. The most problematic is a(n) _____ slime mold.
- Zerotol
 - Vermiculite
 - Perlite
 - Ostracoderma
- ___ 162. Shape is two dimensional, while form is _____.
- flat
 - three dimensional
 - two dimensional
 - one dimensional
- ___ 163. When the source of _____ is removed, the concentration of the _____ drops quickly, thereby releasing lateral branches from _____ dominance.
- auxin, hormone, apical
 - tunic, potassium, atypical
 - tunic, hormone, atypical
 - auxin, inhibitory, apical
- ___ 164. The most commonly used growth retardant is _____.
- Slow-Gro
 - Diazanone
 - Retoid
 - Cycocel

- ___ 165. Many crops today are offered as tissue cultured plantlets, stage 2 or stage 3. This form of vegetative propagation offers many advantages to growers, primarily in that plants grown from tissue culture are _____ and _____.
- lightweight, slow growing
 - disease free, quick growing
 - disease free, slow growing
 - dehydrated, quick growing
- ___ 166. *Zantedeschia rehmannii*, *Z. elliotiana*, *Z. hybrids* also known as _____ Lily.
- Easter
 - Peace
 - Calla
 - Christmas
- ___ 167. Place cut *Antirrhinum majus* stems vertically as soon as possible after harvest; stems placed horizontally may begin to bend upward in as little as _____.
- 2 hours
 - 30 minutes
 - 5 hours
 - 60 minutes
- ___ 168. Evaporative _____ help to offset the heat load caused by _____ light, thus effective greenhouse cooling allows the grower to provide _____ light levels before heat stress is problematic.
- heating pads, high, higher
 - cooling pads, overhead, lower
 - heating pads, overhead, lower
 - cooling pads, high, higher
- ___ 169. _____, identified by yellowing or interveinal chlorosis of young leaves, is the primary problem for plants growing in a _____ pH medium.
- iron deficiency, high
 - nitrogen levels, low
 - magnesium deficiency, high
 - calcium deficiency, low
- ___ 170. Limited induction photoperiod is a _____ technique for controlling elongation of long-day herbaceous perennials.
- chemical
 - drastic
 - non-chemical
 - synthetic
- ___ 171. Confucius taught that real enjoyment consists of _____ and _____.
- exactness, contemplation
 - simplicity, spontaneity
 - simplicity, contemplation
 - exactness, contradiction
- ___ 172. The principal of total compatibility of all parts of an arrangement with each other is termed _____.
- proportion
 - texture
 - harmony
 - rhythm
- ___ 173. The most popular orchid potting material is _____.
- fir bark
 - lava rock
 - tree fern fiber
 - osmunda filter
- ___ 174. The arrangement of flowers referred to as a "Full Couch Spray" is used for _____.
- top of an arch way for a wedding
 - top of a closed casket
 - center piece of a window seal
 - center piece of royalty dinner table
- ___ 175. Day length is the shortest on _____ and increases until _____; thereafter it decreases.
- January 7, July 7
 - December 12, June 12
 - December 21, June 21
 - November 30, June 30
- ___ 176. These summer blooming perennials produce dense, bristly balls of blue color:
- global thistle
 - delphinium
 - blue plumbago
 - bleeding heart

- ___ 177. All but one of the following is easily suitable for pressing. Which one is not suitable?
- dusty miller
 - pansies
 - daffodil
 - African violet
- ___ 178. 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?
- 66%
 - 25%
 - 45%
 - 75%
- ___ 179. Alstroemeria produce two types of shoots _____ and _____.
- upright, nonflowering
 - nonflowering, vegetative
 - flowering, vegetative
 - staggered, flowering
- ___ 180. An orchid having a horizontal stem from which numerous shoots arise is called _____.
- Sympodial
 - Terrestrial
 - Epiphytic
 - Monopodial
- ___ 181. Snapdragons should be stored and shipped _____ at all times to prevent _____ of the spikes. Snapdragons can be stored for _____ to _____ days, dry, or in water at 40 F (4 C)
- flat, curvature, 1,2
 - upright, wilting, 5,6
 - horizontal, drooping, 3,5
 - upright, curvature, 3,4
- ___ 182. Most callas sold today from the United States are _____ year old true seed hybrids.
- tree
 - two
 - one
 - four
- ___ 183. Treated seed virtually _____ viral, fungal, and bacterial disease at the time of planting, greatly _____ disease in professional grower products.
- eliminates, reducing
 - creates, eliminating
 - initiates, increasing
 - creates, increasing
- ___ 184. Most Callas sold today from the United States are _____ year old true seed hybrids.
- Three
 - Two
 - one
 - four
- ___ 185. Treated seed virtually _____ viral, fungal, and bacteria disease at the time of planting, greatly _____ disease in professional grower products.
- eliminates; reducing
 - creates; eliminating
 - initiates; increasing
 - creates; increasing
- ___ 186. Seed-grown tubers generally produce _____ eyes, which means plants will have a _____ number of flowers and leaf sprouts.
- fewer, lower
 - fewer, higher
 - more, lower
 - more, higher
- ___ 187. Natural photoperiods vary during the year and by _____.
- synergy level
 - moon position
 - latitude
 - greenhouse glazing
- ___ 188. By understanding the critical photoperiod for lower induction, growers can manipulate photoperiods to make plants _____ or _____.
- vegetative, reproductive
 - asexual reproductive, atypical
 - sterile, unproductive
 - atypical, reproductive

- ___ 189. Powdery Mildew is a water mold in the same class of fungi as Pythium and Phytophthora, which produces its characteristic symptoms on leaf undersides.
- a. true
 - b. false
- ___ 190. Botrytis Blight is also known as _____.
- a. tulip fire
 - b. calla delight
 - c. daffodil delight
 - d. rose midge
- ___ 191. There are two main types of symptoms observed with botrytis blight, _____ or _____ leaf spots.
- a. reproductive, nonproductive
 - b. nonaggressive, aggressive
 - c. both a and b
 - d. neither a or b
- ___ 192. The colonial bouquet is a _____ bouquet that is popular for both _____ and _____.
- a. round, brides, bridesmaid's
 - b. triangular, brides, grooms
 - c. round, ring bearer, ushers
 - d. square, flower girl, pew
- ___ 193. The crescent bouquet is one variation of the cascade bouquet that is designed in a _____ shape. The cascade style is a beautiful design for elegant or formal weddings.
- a. S
 - b. C
 - c. A
 - d. none of the above
- ___ 194. Sympathy flowers are important to _____ the deceased and _____ the living.
- a. express, remind
 - b. grieve, inspire
 - c. honor, comfort
 - d. grieve, express
- ___ 195. A grouping of different types of plants potted in the same container is known as a _____.
- a. casket saddle
 - b. fireside basket
 - c. full couch spray
 - d. dish garden
- ___ 196. The foundation for a casket spray is a _____.
- a. casket saddle
 - b. paper- mache
 - c. dish garden
 - d. none of the above
- ___ 197. The part of the flower that supports the anther is the _____.
- a. stigma
 - b. style
 - c. ovary
 - d. filament
- ___ 198. The part of the flower that develops into the fruit is the _____.
- a. stigma
 - b. style
 - c. ovary
 - d. filament
- ___ 199. The _____ protects the petals as they are young and is located on the underside of the flower.
- a. stamen
 - b. stigma
 - c. sepal
 - d. axillary bud
- ___ 200. 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
 - b. business plan
 - c. demographic study
 - d. income forecast
- ___ 201. Floriculture production in the united states is valued at about \$_____ at a farm gate.
- a. 4.7 billion
 - b. 4.7 million
 - c. 7.4 billion
 - d. 4,750,000

- ___ 202. The leading floriculture production states are _____, _____, and _____.
- California, Kansas, Oklahoma
 - Texas, Florida, Iowa
 - California, Florida, Texas
 - Florida, California, Canada
- ___ 203. Florida floriculture crop production is valued at \$_____.
- 765 million
 - 278 million
 - 1.02 billion
 - 765 thousand
- ___ 204. Watering greenhouse plants is one of the easiest jobs faced by growers.
- true
 - false
- ___ 205. When should plants be watered?
- just before sunrise
 - mid-day with the sun overhead
 - just before wilting or water stress occurs
 - right when leaves start to fall
- ___ 206. Perched water table means that the container has _____ at the bottom of the container right after watering, when drainage has occurred.
- free- water
 - no water
 - root water
 - vitamin water
- ___ 207. This is _____ because it is not held by the root medium.
- root water
 - vitamin water
 - free-water
 - tunic
- ___ 208. ___ factors need to be considered to achieve a successful fertility program.
- seven
 - nine
 - five
 - two
- ___ 209. When certain elements are provided in excess to plants, uptake of other nutrients may be hindered. One example of a mineral antagonism is the _____ interaction; A 1:1 ratio is recommended for most floriculture crops.
- hydrogen- carbon monoxide
 - nitrogen- potassium
 - hydrogen- nitrogen
 - potassium- calcium
- ___ 210. The optimum ph range for most crops growing in a soilless medium is _____.
- 1.4 - 4.8
 - 5.8 - 6.4
 - 6.5 - 7.9
 - 3.5 - 4.4
- ___ 211. American Floriculture crops are considered to be _____ quality if they are well branched and _____, with multiple flowers that open _____.
- high, full, simultaneously
 - high, thin, simultaneously
 - high, full, individually
 - high, thin, individually
- ___ 212. Pinching artificially accelerates a plant's branching and growers commonly use three types of pinches.
- True
 - False
- ___ 213. The process of pinching a plant removes the _____ factory and eliminates the _____ concentration of the _____ hormone from the upper portion of the plant.
- auxin, high, inhibitory
 - tunic, low inhibitory
 - high, low inhibitory
 - auxin, high inhibitory

- ___ 214. When the source of _____ is removed, the concentration of the _____ drops quickly, thereby releasing lateral branches from _____ dominance and allowing them to develop.
- | | |
|------------------------------|-------------------------------|
| a. tunic, hormone, atypical | c. auxin, hormone, apical |
| b. auxin, inhibitory, apical | d. tunic, potassium, atypical |
- ___ 215. A time tested rule is to pinch when roots are _____ and _____ of the _____ after removing the plant from its pot.
- | | |
|--|---|
| a. not visible at the sides, top, medium | c. visible at the sides, bottom, medium |
| b. visible at the sides, top, medium | d. not visible at the sides, bottom, medium |
- ___ 216. _____ growers first began growing their rose plants using bent stems in the 1980's.
- | | |
|-------------|----------------|
| a. American | c. Netherlands |
| b. European | d. Japanese |
- ___ 217. Rose plants used for the bent stem technique are started as _____ node cuttings, which are rooted and grown frequently in _____.
- | | |
|------------------------------|--------------------------|
| a. double, lamb's wool cubes | c. single, lite soil mix |
| b. single, rock wool cubes | d. double, rich soil mix |
- ___ 218. Cut roses are divided into hybrid teas, spray roses and _____.
- | | |
|----------------|-----------------------|
| a. stilt | c. lovers rose |
| b. sweethearts | d. new beginning rose |
- ___ 219. There are less than _____ dozen rose breeders specializing in commercial cut flower varieties.
- | | |
|----------|---------|
| a. one | c. two |
| b. three | d. half |
- ___ 220. Roses generally are graded according to _____ of stem.
- | | |
|-----------|-----------------|
| a. Width | c. Fullness |
| b. Length | d. Water Weight |
- ___ 221. The greenhouse comes "alive" only after its _____, or _____, is applied. A glazing's primary purposes to allow _____ into the greenhouse while allowing the grower to manipulate the environment _____ the greenhouse.
- | | |
|------------------------------------|----------------------------------|
| a. soil, medium, soil, outside | c. cover, medium, light, inside |
| b. benches, shelves, light, inside | d. glazing, cover, light, inside |
- ___ 222. There is/are _____ type(s) of growing floors.
- | | |
|--|---|
| a. 2, natural soil, mesh | c. 5, natural soil, sand and gravel floors, ground cloth, porous concrete, concrete |
| b. 3, natural soil, sand and gravel floors, fish netting | d. 1, natural soil |
- ___ 223. The _____ component of watering is the easy part because the scientific principals can be taught and learned. The _____ of watering is extremely difficult to teach. It is determining when plants need to be watered and then applying water properly.
- | | |
|-------------------|-----------------------|
| a. Science, Art | c. pouring, knowledge |
| b. art, knowledge | d. science, spraying |
- ___ 224. While it cost _____ to produce pinched plants in terms of _____ and _____, the _____ quality is achieved with pinched plants in terms of size, fullness and flower performance.
- | | |
|---------------------------------------|-----------------------|
| a. less, fluffiness, production, best | c. pouring, knowledge |
| b. more, labor, time, highest | d. science, spraying |

- ___ 225. True or False. Flower arranging differs from other arts in that it has its own media (arrangers grow their own materials).
- True
 - False
- ___ 226. The Japanese confine their displays of flower arrangements to specific areas as a matter of _____ and _____.
- celebration, pride
 - ritual, custom
 - celebration, custom
 - custom, celebration
- ___ 227. The Chinese method of handling flowers is founded on _____, preservation of life, and appreciation of _____.
- simplicity, colors
 - contemplation, colors
 - symbolism, beauty
 - simplicity, beauty
- ___ 228. Confucius taught that real enjoyment consist of _____ and _____.
- contemplation, colors
 - simplicity, contemplation
 - simplicity, beauty
 - symbolism, beauty
- ___ 229. True or False. A few flowers in a vase can describe the whole life history of a plant, as well as display the beauty of a perfect bloom.
- True
 - False
- ___ 230. 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.
- asymmetrical balance
 - background
 - abstract design
 - free standing
- ___ 231. Two or three colors adjacent to each other on the color wheel.
- analogous color harmony
 - artificial
 - abstract design
 - balance
- ___ 232. Two sides of a vertical axis in an arrangement that are different in composition but equal in visual weight.
- monochromatic color harmony
 - linear form
 - dish garden
 - balance
- ___ 233. A circle of greens decorated with fruits, nuts, cones, seed pods, or berries typical of the Renaissance period.
- Tussy Mussy
 - composition
 - Della Robbia Wreath
 - asymmetrical balance
- ___ 234. The art of placing floral material in a container in a pleasing manner following various artistic principles.
- flower arranging
 - Della Robbia wreath
 - design
 - formal
- ___ 235. Bringing plants into bloom at a time other than normal in nature
- free-form design
 - free standing
 - frocing
 - novelty
- ___ 236. A circle of small flowers arranged around one central flower similar to a nosegay.
- composition
 - Tussy Mussy
 - design
 - Della Robbia Wreath
- ___ 237. A new concept in creative art form free from conventional ideas and patterns, nongeometric.
- free-form design
 - flower arranging
 - accent
 - abstract design

- ___ 238. An all around arrangement to be viewed from all sides.
- flower arranging
 - asymmetrical balance
 - free standing
 - novelty
- ___ 239. Tints, tones, and shades of one hue
- tone
 - monochromatic color harmony
 - analogous color harmony
 - cool colors
- ___ 240. A tight hand bouquet of fragrant flowers.
- terrarium
 - Tussy Mussy
 - inflorescence
 - nosegay
- ___ 241. A container of unusual form or shape such as a heart, animal, etc....
- terrarium
 - niche
 - container
 - novelty
- ___ 242. Probably the most influential factor in advancing flower arrangement in this country has been the _____.
- In bloom Again Forest
 - The Garden Club of America
 - National Council of State Garden Clubs
 - Federated Garden Clubs of America
- ___ 243. The American Style of flower arrangement stresses clear cut designs, _____, _____, and _____ of expression.
- spiritual feelings, texture, hint
 - plant forms, originality, freedom
 - origin, space, color
 - free stance, color, touch
- ___ 244. In any style of flower arranging, past or present, American, European, or Oriental, there are _____ to be considered _____.
- 3 design elements; balance, space and harmony
 - 5 principle elements; line, balance, color, scale harmony.
 - 6 design elements; line, form, space, rhythm, repetition, unity, focus, and harmony
 - 7 principle elements; balance, scale, rhythm, repetition, unity, focus and harmony.
- ___ 245. There are _____ of design. All the _____ of design should be present in every good arrangement, but their relative importance will vary. They are _____.
- 7 principles, balance, scale, rhythm, repetition, unity, focus and harmony
 - 6 principles, line, form, space, texture, color, and harmony
 - 5 elements, line balance, color, scale, and harmony
 - 3 elements, balance, space and harmony
- ___ 246. True or false. Various colors will produce different emotional and psychological effects.
- True
 - False
 - None of the above
 - All of the above
- ___ 247. Violets and purples give a _____ sometimes _____.
- angry emotions, aggression
 - spiritual feeling, sad
 - Happy feelings, joy
 - depressed emotions, suppressed attitude
- ___ 248. Tints of various hues will normally be _____, while tones tend to give a _____ effect.
- depressing, uplifting
 - spiritual, depressed
 - uplifting, soothing
 - soothing, abnormal

- ____ 249. _____ can be either warm or cool' it takes on the feelings of the colors with which it is associated
- a. Textures
 - b. Yellows
 - c. Hues
 - d. White
- ____ 250. The Easter Lily crop is difficult to grow because,
- a. the Easter Lily is so very delicate.
 - b. the Easter Lily can only bloom one week before Easter.
 - c. Easter falls on a different date each year.
 - d. Easter is based on a Christian celebration

Floriculture Test Bank A
Answer Section

MULTIPLE CHOICE

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

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

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

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

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

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