

1. Vase life is the length of time that:
 - *A Cut flowers usually remain acceptable**
 - B A glass vase can be expected to go unbroken
 - C A plastic vase will remain watertight
 - D A flower container remains in style
2. The first major civilization to have professional floral designers was the:
 - A Egyptians
 - B Chinese
 - C Romans
 - *D Greeks**
3. Which period in the history of floral design scattered roses on the tables and floor at banquets?
 - A Ancient Greeks
 - B French
 - *C Romans**
 - D Byzantine
4. All of the following are bulbous and tuberous-rooted plants except:
 - A Caladiums
 - B Dahlias
 - C Dutch iris
 - *D Snapdragons**
5. The word photoperiod has to do with light:
 - A Intensity
 - B Foot candles
 - C Quality
 - *D Duration**
6. Fertilization in a flower takes place when:
 - A Pollen is released from a flower
 - B Pollen grain touches the stigma
 - *C A sperm and egg unite**
 - D Pollen grain touches the ovary
7. A container often used at Thanksgiving for floral arrangements and symbolic of a plentiful harvest is the:
 - *A Cornucopia**
 - B Hanukkah
 - C Bud vase
 - D Basket

8. A plant is placed in a kitchen window. What should be done to make it grow healthy and equally on all sides?
- A Test to see if it needs water
 - *B Turn the plant periodically to allow equal amounts of sunlight**
 - C Place it outdoors after a few days of being inside
 - D Place it different areas of the house after two days
9. Generally, roses are graded according to _____ of stem.
- *A Length**
 - B Strength
 - C Turgidity
 - D Width
10. In order to survive in the florist business, an owner/manager must be able to determine the true value of the product and strive for improvement of the perceived value. This is called
- A Retail pricing
 - *B Profit Pricing**
 - C Discount pricing
 - D Premium pricing
11. A palmately compound leaf has:
- *A Leaflet**
 - B Parallel venation
 - C A midrib
 - D A rachis
12. The new growth of a Dieffenbachia is weak and spindly, with large gaps between the leaves. The problem is probably:
- *A Lack of light**
 - B Nitrogen deficiency
 - C Botrytis
 - D Salt damage
13. The reason for putting irregularly shaped stones or broken pieces of pottery into the bottom of a pot containing flowering plants is:
- *A It helps the soil to drain after being watered**
 - B Its just an old tradition passed down from person to person and does not help the plants
 - C They let air into the pot from the bottom
 - D They allow the roots to grow out of the bottom of the pot
14. The pierce wiring technique works best on flowers that have a _
- *A Thick Calyx**
 - B Fuller Bloom
 - C Thin Calyx
 - D Limp stem

15. The following is not a characteristic of an insect:
- A Six legs
 - B Two pairs of wings
 - C Three segmented body
 - *D Two tentacles**
16. Growing medium kept too wet will deprive plants of:
- A Soluble salts
 - *B Oxygen**
 - C Water
 - D Fertilizer
17. A method of applying pesticides to plants that can be effectively used in greenhouse but not outdoors is:
- *A Fumigation**
 - B Spraying
 - C Soil drenching
 - D Dusting
18. Pre-formed pot covers used on potted plants are called
- A Mylar tops
 - B Quick wraps
 - *C Speed covers**
 - D Picks
19. A floral arrangement should be finished on all sides if it is to be placed:
- A On a bookcase
 - B Against a wall
 - C On a mantle
 - *D In front of a mirror**
20. A poinsettia crop that is four weeks late in flowering for Christmas was very likely exposed to:
- A Too much CO₂
 - *B Lighting at night**
 - C A gas leak
 - D An herbicide
21. The showy red, pink or white portions of the poinsettia are called:
- *A Bracts**
 - B Sepals
 - C Flowers
 - D Petals

22. Irregularly shaped holes with smooth edges appear in Celosia leaves. Some leaves are even missing. The plants should be treated for:
- A Leaf cutter bees
 - *B Slugs and snails**
 - C Crickets
 - D Aphids
23. Visual balance is achieved by the proper placement of plant materials according to _____.
- A Size and shape
 - B tone and value
 - *C Color and size**
 - D Texture and tint
24. All of the following processes will help speed the opening of buds, except
- *A Misting stems with cold water**
 - B Placing stems in water with bud opening solutions
 - C Stems should be placed in warm temperatures between 70-80 degrees
 - D Stems should be placed in an environment with 60-80% humidity
25. What mechanical tool can be used with a glass vase to stabilize flowers?
- A Floral wire
 - B Binding wire
 - *C A grid made of plastic or anchor tape**
 - D Floral tape
26. What are two key elements in increasing sales and building wedding business for the retail florist?
- A Planning and preparation
 - *B Promotion and advertising**
 - C Season and unique designs
 - D Word of mouth and happy clients
27. If you have a work related problem that you do not know how to solve, you should take it to your supervisor:
- A For him/her to solve
 - *B With alternative solutions**
 - C To complain about it
 - D After you have tried a solution
28. A zinnia is an example of a flower having a _____ texture.
- A Shiny
 - B Medium
 - C Fine
 - *D Coarse**

29. The stomata of a plant leaf:
- *A Regulate water vapor loss from the plant
 - B Regulate nutrient entry from foliar fertilizer applications
 - C Must open to allow light to reach the chlorophyll for photosynthesis
 - D Prevent disease organisms from entering the plant
30. What is a good sign that potted plants need to be repotted?
- A New leaves are quite a bit larger than older ones
 - B Leaves are turning yellow
 - *C New leaves are quite a bit smaller than older ones
 - D The plant is becoming tall and lanky
31. IPM is an acronym for:
- A Integrated pest material
 - B Intensive pest management
 - C Intensive pest material
 - *D Integrated pest management
32. A consumer tracking study over floral trends showed that on average ____ of floral sales, excluding holiday sales, were not for any special occasion.
- *A 50%
 - B 0.8
 - C 0.25
 - D 0.1
33. Short, crooked rose peduncles often result from
- A Excessive soluble salts
 - B Botrytis blight
 - C Calcium deficiency
 - *D Excessive vigor
34. The timing of an Easter lily crop is complicated because:
- A The seeds germinate irregularly over a long period of time
 - B The size of the rooted cuttings determines the date of flowering
 - *C The earlier the date of Easter, the longer it takes to force them
 - D All of these
35. What type of water supply do cut flowers need to transport food and to keep the stems stiff?
- A Cold water supply
 - B Occasional water supply
 - *C Constant water supply
 - D Periodic water supply

36. A roll of ribbon is known as _____.
A A Roll
***B A Bolt**
C A Reel
D Streamers
37. Flowers are subject to chilling injury at temperatures below _____ degrees F.
***A 50**
B 59
C 71
D 60
38. There are three main ingredients in floral preservatives. Which of the following is not one of these ingredients?
A Algaecide
B Bactericide
C Acidifying agent
***D Caking agent**
39. Cut carnations are classified into two groups:
A Floral and greenhouse
B None of the above
C Premium and discount
***D Standards and miniatures**
40. Deluxe floral foam is used to:
A Absorb water quickly
B Hold soft stemmed flowers
***C Hold heavy stemmed flowers**
D Act as a preservative
41. The three critical responsibilities of a manager in a flower shop include all of the following except
A Oversee the flow of money into and out of the business
B Controlling the buying, use, and sale of products
C Supervise people
***D Advertising and networking the shop**
42. Color can be used in a design to achieve all of the following except
A Emphasis or focal point
B Harmony and unity
C Depth and rhythm
***D Proportion**

43. Cool colors include color combinations like:

- A Yellow, pink and red
- B Black, white and green
- C Red, red-orange, orange, yellow-orange, yellow
- *D Blue-green, blue, blue-violet and violet**

44. _____ is used to secure the floral foam to the design container.

- A Floral tape
- B Electrical tape
- C Masking tape
- *D Anchor tape**

45. The term "texture", as it applies to plants, includes such adjectives as:

- *A Fine, medium and coarse**
- B Corymb, umbel and panicle
- C Smooth, fuzzy and spiny
- D Entire, serrate, and lobed

46. Leafhoppers affect many cut flower crops such as

- A Roses and chrysanthemums
- B Baby's breath and statice
- *C Statice and asters**

47. When ordering flowers from a wholesale florist, one should consider the following:

- A Availability
- *B All of these**
- C Keeping quality
- D Price

48. This element is essential for strong stems, strong roots, and deep flower color. A deficiency in plants shows up as weak stems, and a yellowing and browning of leaves at their tips and edges.

- A Nitrogen
- *B Potassium**
- C Iron
- D Phosphorus

49. What is a terrarium?

- *A A container, usually made of glass, that houses one or more live plants**
- B A small dish garden arrangement with plants and cut flowers
- C None of the above
- D Any potted plant in a decorative cover

50. A correct way to remove mealybugs from plants is:
- A Rinse the leaves with milk
 - B Use a pesticide
 - C Use a fungicide
 - *D Dab each bug with a cotton swab dipping in rubbing alcohol**
51. In traditional arrangements, materials with higher visual weight are used lower in the arrangement to create stable effect; they are sunken a little further into the arrangement for depth. Identify the significant principles of design that are related to balance:
- *A Stability & depth**
 - B Size & shape
 - C Lighting & distance
 - D Color & tone
52. The characteristics of a formal arrangement include all but one of the following. Identify the characteristic which is NOT normally associated with a formal arrangement.
- A Textures are smooth, shiny or velvety
 - B Flowers used include roses, orchids and carnations
 - C Arrangement is usually symmetrically balanced
 - *D Arrangement may be placed off-center**
53. The Alstroemeria is most closely related to the following plant:
- A Abutilon
 - B Daffodil
 - *C Easter lily**
 - D Chrysanthemum
54. Air layered plant are removed from the parent plant:
- A When the plants are sold
 - B Immediately after layering
 - C When the roots are four to six inches long
 - *D As soon as the roots are visible**
55. The blending of all components of a design is known as?
- A Transition
 - *B Harmony**
 - C Unity
 - D Progression
56. Which of the following is a true statement?
- A The lower the number, the thinner the wire and narrower the ribbon.
 - B The lower the number, the thinner the wire and wider the ribbon.
 - *C The lower the number, the thicker the wire and narrower the ribbon.**
 - D The lower the number, the thicker the wire and wider the ribbon.

57. Certain plants are quite suitable for use in terrariums. Which, if any, of the following are suitable for this use?
- A Creeping fig
 - *B Both of these**
 - C Needlepoint ivy
 - D None of these
58. The florist's chrysanthemum is a _____.
- *A All of these**
 - B Short day plant
 - C Complex hybrid
 - D Composite inflorescence
59. An example of a mass flower is:
- A Liatris
 - B Snapdragon
 - *C Rose**
 - D Larkspur
60. This design is the easiest for a beginner because it does not require a focal point.
- *A Round**
 - B Cascade
 - C Symmetrical
 - D Asymmetrical
61. A design that is a naturalistic design in which flowers and plant material is placed as they would grow in nature is called:
- *A Vegetative design**
 - B Pave' design
 - C Interpretive design
 - D Cascade design
62. Of the following, which gauge of wire has the thinnest diameter?
- A 18
 - *B 36**
 - C 24
 - D 22
63. Specialty cut flowers may be defined as:
- A Cut flowers other than carnations, chrysanthemums and gladiolus
 - B Cut flowers other than roses
 - C Cut flowers other than those grown in the field.
 - *D Cut flowers other than roses, carnations and chrysanthemums**

64. To develop a focal point you should:
- *A All the these**
 - B Use darker colored flowers
 - C Use larger flowers
 - D Use form flowers
65. A group of orchids have a problem caused by improper culture. The foliage is dark green and healthy, but the plant won't flower. The probable cause is _____.
- *A Too little light**
 - B Over fertilization
 - C Insufficient humidity
 - D Under watering
66. Which of the following sympathy floral designs are more symbolic and based on forms of specific shapes?
- A Casket sprays
 - B Standing sprays
 - *C Set pieces**
 - D Inset pieces
67. An organism capable of causing a disease is called:
- A An enzyme
 - B A cambium
 - *C A Pathogen**
 - D A systemic
68. A cut flower crop has distorted leaves and flowers and the flowers fail to form. What is the possible cause?
- *A Leafhoppers**
 - B Leaf miners
 - C Mealybugs
 - D Spider mites
69. The Occidental style of flower arranging began in _____.
- *A Egypt**
 - B North Korea
 - C South Korea
 - D Japan
70. Analogous color harmony utilizes:
- A A combination of the primary and secondary colors
 - *B Two or three adjacent colors on the color wheel**
 - C Tints, shades and tones of one hue
 - D Two colors directly opposite each on the color wheel

71. The area within a composition occupied by material is called _____.
A Texture
B Line
C Negative space
***D Positive space**
72. When completing flowers for a wedding you may work with all but one of the following arrangements except
***A Full couch spray arrangement**
B Cascade bouquet arrangement
C Two-tiered guest table arrangement
D Kneeling bench arrangement
73. A design that uses a combination of both natural and manmade materials in an unnatural manner to create a new image is called a:
A Line flower
***B Interpretive design**
C Parallel design
D Pave' design
74. Floral arrangements designed with visual paths along which the eye is led from one point of interest to another are called
***A Line arrangements**
B Mass arrangements
C Abstract arrangements
D Naturalistic arrangements
75. When making an English Georgian type arrangement it should be?
***A Formal and symmetrical**
B Proportioned and compact
C Casual and open
D Elegant and flamboyant
76. There are three basic types of pots that are commonly used in the greenhouse industry. Which of the following is not one of the basic types?
A Azalea pot
B Standard pot
C Bulb pot or pan
***D Designer pot**

77. The flowers and leaves of a rose are mottled and streaked with silver, and dusty black droppings have collected. This damage is indicative of:
- *A Thrips
 - B Scale
 - C Powdery mildew
 - D Fungus gnats
78. What is the biggest difference between pricing wedding work and regular daily sales?
- A Mark ups aren't used
 - B Tax structure
 - *C More labor is required
 - D Cost of products
79. Successful advertising to a target audience is based on three profit "P"'s. Which one of the following is not part of the three profit "P"s?
- *A Persuasive
 - B Persistent
 - C Planned
 - D Pleasant
80. Mass production techniques can often be used for all of the following arrangements except
- A Holiday designs through the wire service
 - *B A walk in customer's anniversary flowers
 - C Corsages for a large wedding
 - D Monthly in store promotions
81. What type of plants are best suited for closed system terrariums?
- A Succulents
 - B Cacti
 - *C Tropical plants
 - D Flowering plants
82. Hanging plants used in interior landscapes function to:
- A Float in water features
 - *B Smooth squared edges found in the architecture
 - C Keep people from sitting on the edges of plants
 - D Hide tall, ugly equipment
83. To check if a plant needs water, touch the soil with your finger: if the plant needs water the soil will feel:
- A Gritty
 - *B Dry and warm
 - C None of these
 - D Cool and moist

84. The highest percentage of florist industry sales are made by:
- A Regular customer
 - B None of these
 - C Walk-in customer
 - *D Telephone**
85. Secondary colors consist of:
- *A Orange, green, and violet**
 - B None of the above
 - C Orange, blue-violet, and blue-green
 - D Yellow, red, and blue
86. How many essential nutrients are essential to plant growth and reproduction?
- A Three
 - B Four
 - C Six
 - *D Sixteen**
87. The Hogarth "S" design was made in which period?
- A Byzantine
 - B English- Georgian
 - C Empire
 - *D Baroque**
88. The flower part that contains the pollen is the:
- A Ovary
 - B Corolla
 - C Filament
 - *D Anther**
89. Transition in a floral arrangement is the process of rhythmic change through progression, sequence, or
- A Modification
 - B Restructuring
 - C Separation
 - *D Gradation**
90. Which of the following can be a negative effect of using leaf shine often on potted plants?
- A Keeps leaves shiny
 - *B Blocking of leaf stomata**
 - C Depletes nutrients
 - D Prevention of photosynthesis

91. Which of the following is NOT a primary principle of design:
- A Proportion
 - *B Accent**
 - C Dominance
 - D Rhythm
92. The most important cut flower crops in the US are:
- *A Mum, rose, carnation**
 - B Carnation, rose, orchid
 - C Gladiolus, orchids, gardenia
 - D Rose, snapdragon, gladiolus
93. Fertilizer that you add to your flowering plants contains the following elements in the correct order:
- A Nitrogen, phosphorus, iron
 - *B Nitrogen, phosphorus, potassium**
 - C Potassium, nitrogen, iron
 - D Nitrogen, potassium, phosphorus
94. Plant texture is determined by _____.
- *A both foliage density and plant shape**
 - B foliage density
 - C plant shape
 - D the way the leaf feels to the touch
95. Flower stems should be cut approximately at a _____ angle.
- *A 45 degree**
 - B 180 degree
 - C 90 degree
 - D None of the above
96. An explant is:
- A Weed
 - B Dead plant
 - C Plant produced from a leaf
 - *D Plant produced from a tissue (meristem)**
97. _____ play a powerful role in advertising floral shops and in most locations leads all other media in sales return for dollar spent.
- A Newspapers
 - *B Window displays**
 - C Radio spots
 - D Telephone Sales

98. Nosegay originated during which period in the history of floral design:
- *A English-Georgian**
 - B Baroque
 - C Renaissance
 - D Victorian
99. Which of the following is NOT important for a floral designer to ask when designing arrangements for a specific room?
- A What size is the room?
 - B What is the ceiling height?
 - *C What percent of the budget does the room cost**
 - D How many table will there be?
100. If a customer you are serving has a complaint, the first thing that you should do is:
- A Write down his/her name and address
 - *B Listen very carefully**
 - C Ask the customer to wait while you check on what to do
 - D Refer it to your supervisor
101. What do you NOT do when flowers arrive from the wholesaler?
- A Inspect for damage, overheating, and decay
 - *B Mix preservative at recommended rate in 40-50 degree F water**
 - C Groom, remove damaged flowers or foliage
 - D Wash buckets with bleach or special floral cleaner
102. When planning for a wedding, there are basic considerations that the florist must address in order to properly assist the bride for this important occasion. Which, if any of the items below are NOT one of these factors?
- A Formality of wedding
 - B Time of year
 - C Location of wedding
 - *D Method of payment**
103. A flowering pot marketed throughout the year is:
- *A Chrysanthemum**
 - B Geranium
 - C Easter Lily
 - D Poinsettia
104. A hue with white added is:
- A Accent
 - *B Tint**
 - C Chroma
 - D Tone

105. A _____ is a floral piece commonly displayed at funerals.
- A Corsage
 - *B Standing spray**
 - C Frame
 - D Boutonniere
106. Gloxinia and African violet are members of the plant family:
- A Caryophyllacea
 - *B Gesneriaceae**
 - C Asteraceae
 - D Fabaceae
107. Abnormally streaked or striped flower petals are a symptom of 'flower breaking'. This problem is common tulips, lilies and gladiolus and is caused by:
- A Thrips
 - B Aphids
 - *C Viruses**
 - D Fungi
108. To properly water indoor plants, consider:
- A The size of the plant
 - B The type of plant
 - *C All of the above**
 - D Where the plant is growing
109. The most common stem support mechanic used by florists in fresh cut flower arrangements is:
- A Dry foam
 - B Chicken wire
 - C Needlepoint holder
 - *D Floral foam**
110. _____ is the method of placing materials closely together at the base of the design so that individual components are indistinguishable.
- A Paving
 - *B Clustering**
 - C Tufting
 - D Grouping
111. If a flower arrangement appears to be ready to fall over, it lacks:
- *A Balance**
 - B Rhythm
 - C Harmony
 - D Focus

112. The acceleration of flowering by manipulation of environmental conditions is known as:
- A Leaching
 - B Pulsing
 - *C Forcing**
 - D After-ripening
113. The design that consists of several layers of materials, varying in size and texture to create a flowering effect is called a:
- *A Cascade design**
 - B Naturalistic design
 - C Pave' design
 - D Round design
114. As the art of floral design has become more formalized through practice, teaching and writing; there has developed a group of traditional guidelines that are frequently cited by people involved in flower arranging. Which of the following, if any, is part of these traditional guidelines?
- *A Both of the above**
 - B Keep flowers from lining up in distracting patterns
 - C Neither of the above
 - D Avoid crossing lines and lines that change abruptly
115. Fungus gnat damage to potted plants is caused by the _____.
- *A Larval stage**
 - B All of the above
 - C Adult stage
 - D Pupal stage
116. Potted plants can be dressed up to add value to an order by using all of the following, except.
- A Speed covers
 - B Polyfoil or florists' foil
 - C Baskets
 - *D Cellophane**
117. Which of the following statements is most correct relating to sales in a floral shop?
- A Walk-in sales are guaranteed sales due to impulse buyers.
 - *B Approximately 80% of sales in a flower shop are made over the telephone.**
 - C Online-only floral shops are becoming popular among the floral industry.
 - D Internet sales are higher for flower shops that are not located in high-traffic locations.
118. A common foliage used for sympathy pieces is
- A Lemonleaf
 - B Flat fern
 - C Leatherleaf
 - *D Commodore or Parlor Palm**

119. It is important not to keep fruit baskets in the same cooler with fresh flowers because:

- A Banana and apples give off an odor that is absorbed by the flowers
- B Fruit flies eat flower petals
- C Florists shouldn't sell fruit - that's the job of the grocery store
- *D Ethylene gas from the fruit will cause the flowers to age quickly**

120. Demographics can help a florist plan

- A How much local wholesalers will charge
- *B The type of hard goods they should keep in stock**
- C Which software program will be most effective
- D How to calculate sales tax and report income tax

121. Size of a casket spray is determined by:

- A Type of casket
- B Type of flowers in season
- *C Budget**
- D Religious affiliation

122. The term hard good means:

- A What happens to floral foam after it is used and dries out
- B Cut flowers are stored at improper temperatures and harden
- C Nonperishable items used in designing such as flowers and foliages
- *D Nonperishable items used in designing such as containers**

123. The size of the bow for a corsage should be:

- A Four inches
- B $\frac{1}{2}$ the length of the corsage
- C As wide as the corsage is long
- *D Slightly wider than the petals of the corsage**

124. A number 9 florist ribbon is:

- A $\frac{7}{8}$ " wide
- B $2\frac{3}{4}$ " wide
- C 2" wide
- *D $1\frac{3}{8}$ " wide**

125. Commercial flower crops are sometimes watered to cause leaching. This means:

- A Watering to spread fertilizer nutrients more evenly throughout the plant root system
- B Watering only to wet the top $\frac{1}{3}$ of the growing medium
- C Watering by subsurface methods
- *D Watering to remove excess soluble salts from the growing medium**

126. The term that refers to all the petals of a flower collectively is:
- A Styles
 - B Sepals
 - *C Corolla**
 - D Stamens
127. The flowers of Easter lilies last longer if:
- A The pistil is removed
 - B It is sold only after the first flower has opened
 - *C The stamens are removed**
 - D The plant is kept in a warm place
128. There are three basic "C" aims for selling in a flower shop. Which of the following is NOT included in the three "C"s?
- A Convince the customer
 - B Create an interest
 - C Close the sale
 - *D Contain the cost**
129. The most commonly used material for holding flowers is:
- A Chicken wire
 - *B Floral foam**
 - C Pin point holders
 - D Frogs
130. When a florist uses both glossy and varied textures, the role of the varied texture is to
- A not be noticeable in the design
 - *B hold the viewer's attention after it is attracted to the glossy texture**
 - C be highly visible and attract the viewer's attention
 - D serve as a filler to accent the glossy texture
131. Optimum temperatures for poinsettia growth would they are purchased and placed indoors is
- A 45-55 degrees
 - B 70-90 degrees
 - *C 60-80 degrees**
 - D 50-60 degrees
132. The asymmetrical balanced design of few materials, usually placed in groups that emphasize forms and lines is called a:
- *A Formal linear design**
 - B Pave' design
 - C Parallel design
 - D Vegetative design

133. The primary colors are:
- *A Red, yellow, and blue
 - B Red, green and blue
 - C Blue, orange, and violet
 - D Orange green and violet
134. What nutrient is deficient if the deficiency symptoms are found on older/lower leaves and the plant is dark green or reddish- purple with short, slender stalks?
- A Potassium
 - B Nitrogen
 - *C Phosphorus
 - D Iron
135. If a florist was limited to two tools, the least useful ones to have would be:
- A Ribbon and anchor tape
 - B Sharp knife and floral shears
 - C Pruning shears and wire cutters
 - *D Oasis and cardettes
136. The sales showroom is separate from the work area. It should be neat and appealing with adequate floor space for customers to move about. Which of the following features is NOT typical of a sales area?
- A Display refrigerator holding completed arrangements and cut flowers for sale
 - B Consultation area with table and chairs
 - *C Design table for making arrangements
 - D Wrapping / sales counter with cash register
137. Cut flowers and 'greens' are held in refrigerators at a temperature range of:
- A 45-50 degrees F
 - B 30-32 degrees F
 - *C 35-40 degrees F
 - D 40-45 degrees F
138. A _____ gauge wire is most commonly used for funeral work.
- A 3
 - B 24
 - C 28
 - *D 18
139. A grouping of closely spaced flowers, net and accessories in a hand-held floral arrangement is called:
- A Corsage
 - *B Nosegay
 - C Pompon
 - D Hogarthian curve

140. The treatment given Easter lilies to speed flowering is called:
- *A Precooling
 - B Short days
 - C Drying off
 - D Long days
141. The Oriental style of flower arranging began in _____.
- A India
 - *B China
 - C America
 - D Japan
142. When designing a floral arrangement, after the container has been prepared, one should:
- A Drain out all the water
 - *B Establish the lines
 - C Begin filling in
 - D Establish the focal point
143. Which type of rose has multiple large flowers on a single stem?
- A Grandifloras
 - B Polyanthas
 - *C Floribundas
 - D Hybrid teas
144. Characteristic floral arrangements of the Renaissance were flowers arranged in vases so that only the _____ were visible.
- A fruits
 - *B Blossoms
 - C Leaves
 - D Stems
145. Flowers, which are worn by men and pinned on a lapel, are called:
- A Falcon corsage
 - B Potpourri corsage
 - *C Boutonnieres
 - D Hand-tied bouquet
146. When is the best time to divide a mature chrysanthemum?
- A When it is dormant in the winter
 - B When the plant is not blooming during the summer
 - *C When it is about three inches tall in the spring
 - D After blooming in the fall

147. Which of the following describes a good plant watering practice?
- *A Allowing water to penetrate throughout the pot**
 - B Waiting until plant leaves wilt to water
 - C Allowing the plant to stand in water
 - D Keeping soil constantly wet
148. Which of the following is NOT important when considering water quality for fresh flowers?
- A Hardness/softness
 - B pH
 - C Salinity
 - *D Temperature**
149. The pH on soil test results stands for:
- *A Potential hydrogen**
 - B Potential oxygen
 - C Alkalinity
 - D Acidity
150. A wire service:
- *A Is a clearinghouse of floral order**
 - B is a company that sends sentiments to be attached to wires
 - C Is a company that manufactures wires for floral design
 - D Is a service that sends telegrams
151. When cutting fresh flower stems it is best to cut them with _____ rather than shears.
- A A pair of scissors
 - B A set of loppers
 - C Hook and anvil pruners
 - *D A knife**
152. A process in which flower bunches are packaged in protective paper or polyethylene coverings to protect and separate flower heads, prevent tangling, and aid in identification is called
- A Packing
 - B Stacking
 - *C Sleeving**
 - D Stocking
153. With the exception of the horizontal design, how high in relation to its width should a design be made?
- A 1 to 1-1/2 times the width
 - *B 1-1/2 to 2 times the width**
 - C 2 to 2-1/2 times the width
 - D 2-1/2 to 3 times the width

154. The _____ method of wiring is commonly used to wire flowers having large, thickened calyxes such as carnations and roses.
- A Hook
 - B Looping
 - C Insertion
 - *D Piercing**
155. The measure of how poisonous a chemical is after a single exposure is _____ toxicity.
- A Bad
 - *B Acute**
 - C Accurate
 - D Chronic
156. A major problem in standard carnation production resulting in asymmetrical flowers is:
- A Improper fertilization
 - B Lack of pinching
 - C High-density spacing
 - *D Calyx splitting**
157. Containers that depict a holiday, season/ theme or articles such as plush animals are known as
- A Accessories
 - B Seasonals
 - C Decorations
 - *D Novelties**
158. Gladioli are:
- A Seldom used by florists
 - *B Used a 'line' flowers in a floral design**
 - C Poor keepers
 - D Come in only two colors
159. _____ is the useful lifespan of cut flowers.
- A cooler life
 - B shelf life
 - *C vase life**
 - D sale period
160. The size relationship of a floral arrangement with its surroundings is:
- A Rhythm
 - B Balance
 - C Harmony
 - *D Scale**

161. Kitty litter, cornmeal, sand and borax are all types of:
- A Accessories
 - B Stabilizers
 - *C Desiccants**
 - D Preservatives
162. A mum cultivar with a single flower more than 4 inches in diameter, having all lateral buds removed is called a
- A Spray mum
 - B Disbud mum
 - C Miniature mum
 - *D Standard mum**
163. To increase the keeping quality of plant materials with hollow stems, the stems should be:
- A Wrapped with florist tape
 - *B Filled with water**
 - C Dipped in boiling water
 - D Burned
164. Wooden picks are used to:
- *A Used to extend and strengthen the stems of flowers for insertion into the floral foam**
 - B Secure frogs to the container
 - C Secure the floral foam to the container
 - D Used to secure the chicken wire to the foam
165. The best way to water potted plants with velvet leaves is:
- *A By placing water in a saucer or liner and allowing the plant to absorb what it needs**
 - B By allowing the plant to dry out completely and lightly misting the plant
 - C With a shower setting nozzle on a water hose
 - D By sitting it in a sink and running water over the plant
166. _____ is generally added to water when processing flowers in a retail floral shop.
- *A Biocide**
 - B Herbicide
 - C Insecticide
 - D Algaecide
167. A cash and carry shop is also known as this kind of flower shop.
- *A Stem Shop**
 - B Wholesale Shop
 - C Specialty Shop
 - D Carriage Trade Shop

168. Which of the following is true regarding rental of common event items such as arches or pillars?
- A In order to make a profit, the full cost of goods should be charged to the customer for each rental
 - *B They typically require a deposit and rental fee per item**
 - C Florists should never rent these items
 - D They are typically offered free of charge
169. A good substitute for sand, this material provides for aeration in the growing media:
- A Peat moss
 - *B Perlite**
 - C Rock wool
 - D Compost
170. Which of the following is not generally considered part of the Floriculture Industry?
- A Retail flower shop
 - *B Vegetable transplants**
 - C Commercial cut flower greenhouses
 - D Potted foliage plants
171. This citric acid solution causes flowers to take up water rapidly to prevent dehydration after flowers have been dry packed.
- A Orange juice
 - B Floral Preservative
 - *C Hydrating solution**
 - D Sanitizer
172. An arrangement should be at least _____ times the height of a tall container or the width of a low elongated container.
- A 1
 - B 2 ½
 - C 3
 - *D 1 ½-2**
173. Plant lice refers to:
- A Thrips
 - B Mites
 - C Scale
 - *D Aphids**
174. The small handheld bouquets often called Tussie- Mussies were popular in which period.
- A Greek
 - B Renaissance
 - *C English-Georgian**
 - D Dutch-flemish

175. When a florist greens an arrangement, they are:
- A Adding in green flowers in honor of St. Patrick's Day
 - *B Adding foliage to it so that the mechanics are hidden**
 - C Adding green dye so that the stems are hidden
 - D Removing foliage from the lower stems of the greenery
176. The greatest control over the cooling phase of Easter lily production is provided by
- *A Controlled temperature forcing**
 - B Natural cooling
 - C Commercial care cooling
 - D Fan and pad cooling
177. A brown foam which is easily penetrated by delicate floral stems and aids in the arrangement of silk and dry flowers is _____.
- A Silica gel
 - *B Dry foam**
 - C Holdfast
 - D Styrofoam
178. Damping-off disease of seedlings is caused by:
- A Bacteria
 - B Fertilizer
 - C Virus
 - *D Fungus**
179. This spray can be applied to flowers to reduce water loss due to transpiration.
- A Floral tint sprays
 - B Spray glue
 - *C Anti-transpirant**
 - D Sealer
180. The majority of florist businesses are conducted in one location and annual gross sales are generally under:
- A \$25,000
 - *B \$250,000**
 - C \$2,500,000
 - D \$2,500
181. Foliage below the water line should be removed to:
- A Prevent photosynthesis
 - B Prevent leaves from using stored food in the stem
 - *C Prevent the leaves from decaying, which foul the water**
 - D All of these

182. Mass marketing is the sale of floral products:

- A In large discount stores
- B In the supermarkets
- C In high-traffic locations
- *D All of these**

183. Honeydew on the leaves and ants crawling around a plant indicate:

- *A Aphids**
- B Slugs
- C Fungus
- D Thrips

184. More plants die from _____ than any other cause.

- A Lack of fertilizer
- B Lack of water
- C Insects
- *D Overwatering**

185. The adjustment of a plant from production conditions to interior conditions is called:

- A Light metering
- B Humidity
- *C Acclimatization**
- D Photosynthesis decline

186. These summer-blooming perennials produce dense, bristly balls of blue color:

- A Delphinium
- *B Globe thistle**
- C Blue plumbago
- D Statice

187. When making hand-tied bouquets, the stems should be positioned:

- *A In a spiraling manner**
- B Parallel to each other
- C Any way that looks nice and holds together
- D Perpendicular to each other

188. If a hue is diluted with gray, the resulting color is called:

- A Shade
- B Tint
- *C Tone**
- D Value

189. Sales and income revenue are highest for retail flower shops during what part or parts of the year?
- *A October through May
 - B January to May
 - C Thanksgiving and Christmas seasons
 - D Summer months due to weddings
190. A more expensive decorative container into which a potted plant can be set is a:
- A Vase
 - B Quick sleeve
 - *C Jardinière
 - D Rose bowl
191. Flowers such as roses and carnations should be stored at:
- A 45-50 degrees F
 - *B 36-40 degrees F
 - C 30-35 degrees F
 - D 55-60 degrees F
192. Another name for rose stripper is
- *A Dethorner
 - B Clipper
 - C Destripper
 - D Deleafer
193. According to sales figures, what is the most popular cut flower sold in the United States?
- A Rose
 - B Poinsettia
 - C Carnation
 - *D Chrysanthemum
194. _____ is the act of cutting flower stems properly and providing them with the proper treatment at any stage of the distribution process.
- A Cleaning
 - *B Processing
 - C Producing
 - D Slicing
195. The term used to describe an item used in a floral design that will not die is called a(n) _____ item.
- A Accessory
 - B Expensive
 - C Perishable
 - *D Non-perishable

196. Hydrangeas are forced for the following holidays:

- A Thanksgiving, Christmas, Valentine's Day
- B Memorial Day, July 4th, Labor Day
- *C Easter, Mother's Day, Memorial Day**
- D Secretary's Day, Sweetest Day, President's Day

197. When black is added to a hue, the resulting color is called a:

- *A Shade**
- B Tone
- C Hue
- D Tint

198. The number one foliage production state in acres and wholesale value is _____.

- A California
- B Hawaii
- C Texas
- *D Florida**

199. A speckled leaf appearance with fine silky strands between leaves and on lower leaf surfaces suggests the presence of:

- A Botrytis
- *B Spider mite**
- C Mealybug
- D Damping-off

200. Cut branches of evergreen 20-30 inches long are called:

- A Bunches
- B Tips
- *C Boughs**
- D Bales

201. A contemporary design style that uses clustering placed at the base of a design to resemble hills or clouds is known as

- *A Pillowing**
- B Tufting
- C Grouping
- D Stacking

202. Texture in an arrangement refers to:

- A The shape or silhouette of the design
- *B The surface appearance of the arrangement**
- C the blending of components of an arrangement
- D The visual path the eye follows when viewing the arrangement

203. One of the earliest cultures to use flowers were the Egyptians. They valued _____ and _____ .
- *A Simplicity and repetition**
 - B Ornate with gothic tone
 - C Majestic and lavish
 - D Simplicity with variation
204. Focus in floral design refers to:
- A Transition from dark to central point
 - B A gradation of sizes of flowers
 - C Attraction of the observer's eyes to the outline form of the arrangement
 - *D Attraction of the observer's' eye to a central point**
205. Upper leaves which show interveinal chlorosis probably suffer from:
- *A An iron deficiency**
 - B A sulfur deficiency
 - C A nitrogen deficiency
 - D Lack of water
206. The most important environmental factor in orchid culture is:
- A Fertilization
 - *B Watering and water quality**
 - C Light
 - D Temperature
207. Costs associated with making an arrangement, decorating a blooming plant, or creating wedding flowers are called _____.
- *A Direct costs**
 - B Fixed costs
 - C Indirect costs
 - D Overhead
208. The bract that encloses a flower cluster is a .
- A Quill
 - *B Spathe**
 - C Petal
 - D Spike
209. Appropriate refrigeration of cut floral materials involves both temperature and humidity control to:
- A Increase water lost by transpiration
 - B Increase microbial growth and development
 - C None of the above
 - *D Slow down respiration**

210. A florist is most likely to be promptly paid when charged account bills are mailed:
- A The day after purchase
 - B Bi-weekly
 - C Weekly
 - *D Monthly**
211. Which of the following designs is not suitable for a wedding?
- *A Full couch spray arrangement**
 - B Two-tiered guest table arrangement
 - C Cascade bouquet arrangement
 - D Kneeling bench arrangement
212. When mixing preservatives for cut flowers, the preservative should be mixed in _____ water.
- A 50-60 degree F
 - *B 100-110 degree F**
 - C Below 45 degree F
 - D 85-95 degree F
213. The larger the gauge of florist wire indicates that the thickness is:
- A Shorter
 - *B Thinner**
 - C Longer
 - D Thicker
214. _____ is a postharvest technique used to load or fill flowers with sugar and other chemicals, giving them "strength" before they are dry-packaged and shipped long distances.
- A Bud-Opening Solution
 - *B Pulsing**
 - C Hardening
 - D Conditioning
215. Heavy-headed flowers, such as large mums, often bend by the flower head, nearly breaking off. What should be done to temporarily improve this situation?
- A Use wire to tie flower head on
 - B Use string to tie flower head on
 - C Use hot glue gun to glue flower head on
 - *D Insert toothpicks pointed through the bloom into the stem**
216. Which of the following statements best describes a dish garden?
- A A single green plant placed in a low container.
 - B A single blooming plant placed in a wicker basket.
 - *C A mixture of small, living green or blooming plants suited for tabletop display.**
 - D A mass of green plants placed in a wicker basket to resemble a miniature garden.

217. In order to keep potted plant leaves clean, florists should:
- A Water with a sprayer hose in the store
 - B Use leaf shine regularly
 - C None of the above
 - *D Wipe leaves with a soft damp towel**
218. A design that uses a complementary color scheme is one that:
- *A Uses colors that are opposite to one another on the color wheel**
 - B Uses flowers in various tints and shades of one color
 - C Uses colors closely related to one another on the color wheel
 - D Combines all colors
219. Japanese style of floral arrangement is known as:
- A Yin
 - *B Ikebana**
 - C Yen
 - D Ikenobo
220. A 'stretched' plant is one that:
- A Is a vine
 - B Produces flowers beyond its natural flowering time
 - C Has taken too long to reach marketable size
 - *D Has grown excessively long stems**
221. To insure blue color in hydrangeas, you would:
- A Expose the crop to short days and cool nights
 - *B Fertilize with aluminum sulfate**
 - C Fertilize with magnesium sulfate
 - D Raise the pH level in the soil
222. When cutting roses to use indoors or to remove spent blossoms:
- A Cut directly below the first strong, three-leaflet leaf
 - *B Cut directly below the first strong, five-leaflet leaf**
 - C Make the cut above the first strong, three-leaflet leaf
 - D Do not leave at least two good leaves of the stem
223. The function (s) of floral preservatives is (are) to:
- A Supply a bactericide
 - B Provide sugar
 - C Acidify the solution
 - *D All of these**

224. The principle of total compatibility of all parts of an arrangement with each other is termed:
- A Texture
 - B Proportion
 - C Rhythm
 - *D Harmony**
225. To create a strong focal point, a designer should _____ at the focal point.
- A Space the flowers farther apart
 - B Place flowers closer together
 - *C Use flowers with a bright chroma**
 - D Use tight buds so the flowers will last longer and make a more dramatic effect
226. The hook method of wiring for floral arrangements is used for _____.
- *A flat headed flowers**
 - B delicate flowers
 - C tubular flowers
 - D roses
227. When constructing a chaplet for a flower girl, it is helpful for the florist to have this piece of information.
- *A The head circumference measurement**
 - B The dress size of the flower girl.
 - C The age of the flower girl
 - D The likes and dislikes of the flower girl
228. When all designs, colors, and flowers have been decided upon by the customer, the sale should be closed with
- *A A complete payment**
 - B A promise from the florist to deliver the design on time
 - C A hand shake
 - D An invoice of sale
229. The principles of design are fundamental truths that have evolved as the various art forms have developed. Which of the following is NOT among the major principles of design?
- A Emphasis
 - B Balance
 - *C Price**
 - D Scale
230. Costs associated with making an arrangement, decorating a blooming plant or creating wedding flowers are called:
- A Overhead
 - B Indirect costs
 - C Fixed costs
 - *D Direct costs**

231. Which type of plant would be most likely to tolerate lower light intensity?
- *A Plants with dark green leaves**
 - B Plants with variegated leaves
 - C Plants with light colored leaves
 - D Plants with colorful leaves
232. All but one of the following is easily suitable for pressing. Which item is NOT suitable for pressing.
- A African violets
 - B Dusty miller
 - C Pansies
 - *D Daffodil**
233. The following florist crops are propagated by cuttings:
- A Snapdragons, stock, Boston yellow daisy, gardenia
 - B Hydrangea, Easter lily, rose, orchid
 - *C Carnation, chrysanthemum, poinsettia, azalea**
 - D African violet, cut leaf philodendron, English ivy, Sprenger's asparagus fern
234. Most indoor foliage plants need which kind of lighting?
- A Medium light
 - B Bright light
 - C Direct sunlight
 - *D Bright indirect light**
235. Your orchids are facing a pest problem. The buds, flowers and tender new growth are pitted or stunted. Tiny insects are often visible. A sticky fluid secreted by the insects provides a medium for growth of sooty mold and attracts ants. The most likely problem is _.
- A Spider mites
 - *B Aphids**
 - C Snails and slugs
 - D Mealybugs
236. Distorted flowers characterized by shorter petals, which give the rose a flattened appearance are called:
- *A Bullheads**
 - B Blind shoots
 - C Flagged
 - D Deadheads
237. _____ is the ribbon size typically used for corsage work.
- A #9
 - *B #3**
 - C #16
 - D D) #40

238. The number of flowers usually in a cymbidium orchid corsage is:
- A Four
 - B Three
 - C Two
 - *D One**
239. The main reason many tropical foliage plants decline indoors is related to:
- *A Light**
 - B Humidity
 - C Air circulation
 - D Temperature
240. The average humidity recommended for interior plants is:
- A 70 to 100%
 - B 10 to 20%
 - C 20 to 30%
 - *D 40 to 70%**
241. For optimum vase life, most cut flowers should be stored at temperatures close to:
- A 45 °F
 - *B 40 °F**
 - C 50 °F
 - D 30 °F
242. Which of the following should not be taken into consideration when determining pricing for an event?
- A Distance of the venue
 - B Complication of the set up
 - C If arrangements will be moved for the reception
 - *D Setup time at the venue**
243. When utilizing the ratio markup method a 5 to 1 item with the total wholesale value of the material costing \$12.00 would retail for _____.
- A \$30.00
 - B \$45.00
 - C None of these
 - *D \$60.00**
244. _____ is the interrelationship of all the parts of an arrangement; flowers, foliage, accessories, and container.
- A Unity
 - B Scale
 - C Balance
 - *D Proportion**

245. This fungus attacks a wide variety of ornamental plants, probably causing more losses than any other single pathogen.
- A Alternaria
 - B Pythium root rot
 - C Phytophthora
 - *D Botrytis cinerea**
246. A person is exposed to the highest concentration of a pesticide during:
- *A Mixing**
 - B Clean equipment
 - C Application
 - D Reading directions
247. A florist is making a hand-tied bouquet; what contemporary design style will he/she use to unite the materials together?
- A Bundling
 - B Banding
 - C Wrapping
 - *D Binding**
248. Plants need which part of the visible spectrum for good foliage development?
- *A Blue**
 - B Green
 - C All of the visible spectrum
 - D Red
249. The pricing method based on 40% of retail selling price is:
- A Retail cost of goods
 - *B Wholesale pricing**
 - C Ratio markup
 - D Nesting pricing
250. Overhead costs include everything not accounted for in:
- A Indirect costs
 - B Taxes
 - C Rebates
 - *D Direct costs**

