1. **A palmately compound leaf has:**
	1. **Leaflet**
	2. **Parallel venation**
	3. **A midrib**
	4. **A rachis**
2. **The new growth of a Dieffenbachia is weak and spindly, with large gaps between the leaves. The problem is probably:**
	1. **A Lack of light**
	2. **Nitrogen deficiency**
	3. **Botrytis**
	4. **Salt damage**
3. **The reason for putting irregularly shaped stones or broken pieces of pottery into the bottom of a pot containing flowering plants is:**
	1. **A It helps the soil to drain after being watered**
	2. **Its just an old tradition passed down from person to person and does not help the plants**
	3. **They let air into the pot from the bottom**
	4. **They allow the roots to grow out of the bottom of the pot**
4. **The pierce wiring technique works best on flowers that have a \_**
	1. **Thick Calyx**
	2. **Fuller Bloom**
	3. **Thin Calyx**
	4. **Limp stem**
5. **The following is not a characteristic of an insect:**
	1. **Six legs**
	2. **Two pairs of wings**
	3. **Three segmented body**
	4. **Two tentacles**
6. **What are two key elements in increasing sales and building wedding business for the retail florist?**
	1. **Planning and preparation**
	2. **Promotion and advertising**
	3. **Season and unique designs**
	4. **Word of mouth and happy clients**
7. **If you have a work related problem that you do not know how to solve, you should take it to your supervisor:**
	1. **For him/her to solve**
	2. **With alternative solutions**
	3. **To complain about it**
	4. **After you have tried a solution**
8. **A zinnia is an example of a flower having a \_\_\_\_\_\_\_\_\_ texture.**
	1. **Shiny**
	2. **Medium**
	3. **Fine**
	4. **Coarse**
9. **The stomata of a plant leaf:**
	1. **Regulate water vapor loss from the plant**
	2. **Regulate nutrient entry from foliar fertilizer applications**
	3. **Must open to allow light to reach the chlorophyll for photosynthesis**
	4. **Prevent disease organisms from entering the plant**
10. **What is a good sign that potted plants need to be repotted?**
	1. **New leaves are quite a bit larger than older ones**
	2. **Leaves are turning yellow**
	3. **New leaves are quite a bit smaller than older ones**
	4. **The plant is becoming tall and lanky**
11. **The three critical responsibilities of a manager in a flower shop include all of the following except**
	1. **Oversee the flow of money into and out of the business**
	2. **Controlling the buying, use, and sale of products**
	3. **Supervise people**
	4. **Advertising and networking the shop**
12. **Color can be used in a design to achieve all of the following except**
	1. **Emphasis or focal point**
	2. **Harmony and unity**
	3. **Depth and rhythm**
	4. **Proportion**
13. **Cool colors include color combinations like:**
	1. **Yellow, pink and red**
	2. **Black, white and green**
	3. **Red, red-orange, orange, yellow-orange, yellow**
	4. **Blue-green, blue, blue-violet and violet**
14. **\_\_\_\_\_\_ is used to secure the floral foam to the design container.**
	1. **Floral tape**
	2. **Electrical tape**
	3. **Masking tape**
	4. **Anchor tape**
15. **The term "texture", as it applies to plants, includes such adjectives as:**
	1. **Fine, medium and coarse**
	2. **Corymb, umbel and panicle**
	3. **Smooth, fuzzy and spiny**
	4. **Entire, serrate, and lobed**
16. **Which of the following is a true statement?**
	1. **The lower the number, the thinner the wire and narrower the ribbon.**
	2. **The lower the number, the thinner the wire and wider the ribbon.**
	3. **The lower the number, the thicker the wire and narrower the ribbon.**
	4. **The lower the number, the thicker the wire and wider the ribbon.**
17. **Certain plants are quite suitable for use in terrariums. Which, if any, of the following are suitable for this use?**
	1. **Creeping fig**
	2. **Both of these**
	3. **Needlepoint ivy**
	4. **None of these**
18. **The florist's chrysanthemum is a \_\_\_\_\_\_\_\_\_\_\_\_.**
	1. **All of these**
	2. **Short day plant**
	3. **Complex hybrid**
	4. **Composite inflorescence**
19. **An example of a mass flower is:**
	1. **Liatris**
	2. **Snapdragon**
	3. **Rose**
	4. **Larkspur**
20. **This design is the easiest for a beginner because it does not require a focal point.**
	1. **Round**
	2. **Cascade**
	3. **Symmetrical**
	4. **Asymmetrical**
21. **The area within a composition occupied by material is called \_\_\_\_\_\_\_\_.**
	1. **Texture**
	2. **Line**
	3. **Negative space**
	4. **Positive space**
22. **When completing flowers for a wedding you may work with all but one of the following arrangements except**
	1. **Full couch spray arrangement**
	2. **Cascade bouquet arrangement**
	3. **Two-tiered guest table arrangement**
	4. **Kneeling bench arrangement**
23. **A design that uses a combination of both natural and manmade materials in an unnatural manner to create a new image is called a:**
	1. **Line flower**
	2. **Interpretive design**
	3. **Parallel design**
	4. **Pave' design**
24. **Floral arrangements designed with visual paths along which the eye is led from one point of interest to another are called**
	1. **Line arrangements**
	2. **Mass arrangements**
	3. **Abstract arrangements**
	4. **Naturalistic arrangements**
25. **When making an English Georgian type arrangement it should be?**
	1. **Formal and symmetrical**
	2. **Proportioned and compact**
	3. **Casual and open**
	4. **Elegant and flamboyant**
26. **How many essential nutrients are essential to plant growth and reproduction?**
	1. **Three**
	2. **Four**
	3. **Six**
	4. **Sixteen**
27. **The Hogarth "S" design was made in which period?**
	1. **Byzantine**
	2. **English- Georgian**
	3. **Empire**
	4. **Baroque**
28. **The flower part that contains the pollen is the:**
	1. **Ovary**
	2. **Corolla**
	3. **Filament**
	4. **Anther**
29. **Transition in a floral arrangement is the process of rhythmic change through progression, sequence, or**
	1. **Modification**
	2. **Restructuring**
	3. **Separation**
	4. **Gradation**
30. **90. Which of the following can be a negative effect of using leaf shine often on potted plants?**
	1. **Keeps leaves shiny**
	2. **Blocking of leaf stomata**
	3. **Depletes nutrients**
	4. **Prevention of photosynthesis**
31. **Which of the following is NOT a primary principle of design:**
	1. **Proportion**
	2. **Accent**
	3. **Dominance**
	4. **Rhythm**
32. **The most important cut flower crops in the US are:**
	1. **Mum, rose, carnation**
	2. **Carnation, rose, orchid**
	3. **Gladiolus, orchids, gardenia**
	4. **Rose, snapdragon, gladiolus**
33. **Fertilizer that you add to your flowering plants contains the following elements in the correct order:**
	1. **Nitrogen, phosphorus, iron**
	2. **Nitrogen, phosphorus, potassium**
	3. **Potassium, nitrogen, iron**
	4. **Nitrogen, potassium, phosphorus**
34. **Plant texture is determined by \_\_\_\_\_\_\_\_\_\_.**
	1. **both foliage density and plant shape**
	2. **foliage density**
	3. **plant shape**
	4. **the way the leaf feels to the touch**
35. **Flower stems should be cut approximately at a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ angle.**
	1. **45 degree**
	2. **180 degree**
	3. **90 degree**
	4. **None of the above**
36. **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?**
	1. **Display refrigerator holding completed arrangements and cut flowers for sale**
	2. **Consultation area with table and chairs**
	3. **Design table for making arrangements**
	4. **Wrapping / sales counter with cash register**
37. **Cut flowers and 'greens' are held in refrigerators at a temperature range of:**
	1. **45-50 degrees F**
	2. **30-32 degrees F**
	3. **35-40 degrees F**
	4. **40-45 degrees F**
38. **A \_\_\_\_\_\_\_\_\_ gauge wire is most commonly used for funeral work.**
	1. **3**
	2. **24**
	3. **28**
	4. **18**
39. **A grouping of closely spaced flowers, net and accessories in a hand-held floral arrangement is called:**
	1. **Corsage**
	2. **Nosegay**
	3. **Pompon**
	4. **Hogarthian curve**
40. **The treatment given Easter lilies to speed flowering is called:**
	1. **Precooling**
	2. **Short days**
	3. **Drying off**
	4. **Long days**
41. **When cutting fresh flower stems it is best to cut them with \_\_\_\_\_\_\_\_\_\_\_\_\_\_ rather than shears.**
	1. **A pair of scissors**
	2. **A set of loppers**
	3. **Hook and anvil pruners**
	4. **A knife**
42. **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**
	1. **Packing**
	2. **Stacking**
	3. **Sleeving**
	4. **Stocking**
43. **With the exception of the horizontal design, how high in relation to its width should a design be made?**
	1. **1 to 1-1/2 times the width**
	2. **1-1/2 to 2 times the width**
	3. **2 to 2-1/2 times the width**
	4. **2-1/2 to 3 times the width**
44. **The \_\_\_\_\_\_\_\_ method of wiring is commonly used to wire flowers having large, thickened calyxes such as carnations and roses.**
	1. **Hook**
	2. **Looping**
	3. **Insertion**
	4. **Piercing**
45. **The measure of how poisonous a chemical is after a single exposure is \_\_\_\_\_\_\_\_\_\_\_ toxicity.**
	1. **Bad**
	2. **Acute**
	3. **Accurate**
	4. **Chronic**
46. **The hook method of wiring for floral arrangements is used for \_\_\_\_\_\_\_\_\_\_\_\_.**
	1. **flat headed flowers**
	2. **delicate flowers**
	3. **tubular flowers**
	4. **roses**
47. **When constructing a chaplet for a flower girl, it is helpful for the florist to have this piece of information.**
	1. **The head circumference measurement**
	2. **The dress size of the flower girl.**
	3. **The age of the flower girl**
	4. **The likes and dislikes of the flower girl**
48. **When all designs, colors, and flowers have been decided upon by the customer, the sale should be closed with**
	1. **A complete payment**
	2. **A promise from the florist to deliver the design on time**
	3. **A hand shake**
	4. **An invoice of sale**
49. **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?**
	1. **Emphasis**
	2. **Balance**
	3. **Price**
	4. **Scale**
50. **Costs associated with making an arrangement, decorating a blooming plant or creating wedding flowers are called:**
	1. **Overhead**
	2. **Indirect costs**
	3. **Fixed costs**
	4. **Direct costs**