

**2013 State FFA Floriculture CDE
Phase III. Written Test**

DO NOT WRITE ON TEST

SELECT MOST APPROPRIATE ANSWER AND IDENTIFY LETTER CHOICE ON ANSWER SHEET

1. What is the structure called that is the xylem and phloem combined?
 - a. cambium
 - b. pith
 - c. vascular bundle
 - d. phloem
 - e. cortex

2. What is sexual plant propagation?
 - a. The reproduction of new plants with the use of rooting hormones
 - b. The reproduction of new plants through the use of seeds
 - c. The reproduction of new plant using excised plant parts from a "mother plant"
 - d. None of the above.

3. Ferns differ from most plants in that, they produce dust like spores under their leaves that are used to start new plants, not seeds borne from flowers.
 - a. true
 - b. false

4. This fungal disease is common on Roses and Lilacs grown in the greenhouse or in the garden and is encouraged by limited rainfall, warm and dry days and cool and damp nights.
 - a. Botrytis
 - b. Bacterial wilt
 - c. Oedema
 - d. Powdery Mildew
 - e. Fusarium

5. The soil pH level primarily controls:
 - a. Activity of soil-borne diseases
 - b. Moisture absorption by plant roots
 - c. Flower color
 - d. Soil Temperature
 - e. Availability of essential plant nutrients

6. Which of the following is NOT a function of a good growing medium:
 - a. Provide anchorage and support for the plant
 - b. Provide nutrient storage for plant uptake
 - c. Provide for water evaporation from the plant
 - d. Provide storage of available water to the plant
 - e. Creating fertility from the mixed components

7. Chemicals used to alter the height of plant material are called _____.

- a. Growth Regulators
- b. Auxin
- c. Miracle Grow
- d. SuperThrive
- e. Fertilizer

8. A process used by growers to produce well-branched, compact plants with many flowers is called:

- a. Stunting
- b. Pinching
- c. Potting
- d. Compacting
- e. Shoving

9. Floral preservatives function to:

- a. Provide sugar
- b. Supply a bactericide
- c. Acidify the storage solution
- d. All of the above

10. The most important environmental factor in orchid culture is:

- a. Fertilization
- b. Water quality and watering frequency
- c. Temperature
- d. Lighting

11. What factor does NOT affect seed germination?

- a. Exposure to LIGHT or DARKNESS
- b. Oxygen
- c. Planting Depth
- d. Propagation medium temperature
- e. Day length

12. There is an abbreviation for the mathematical difference between day temperature and night temperatures called DIF. What factor is typically being monitored when measuring and tracking DIF?

- a. Speed of or overall amount of plant growth
- b. Flower initiation
- c. Amount of leaf drop
- d. Density of seed development
- e. Seed germination

13. Cut Carnations are classified in to what two generalized groups?

- a. Floral and greenhouse
- b. Grade A and Grade AA
- c. Premium and Discount
- d. Mini and Standard

14. Ethylene accumulation within a floral cooler can result in flower _____.

- a. Sleepiness
- b. Color enhancement
- c. Diameter
- d. Longevity
- e. Both answers b and d

15. Most indoor foliage plants need what type of lighting?

- a. Direct sun
- b. Bright, indirect lighting
- c. Incandescent vanity lighting
- d. LED blue/green spectrum
- e. UV lighting

16. The most popular mechanics item used to support floral arrangements is:

- a. Metal pinpoint
- b. Frogs
- c. Floral Foam
- d. Waterproof tape
- e. Hot Glue

17. Costs associated with making an arrangement, decorating a blooming plant, or, creating wedding arrangements, are called:

- a. Indirect Costs
- b. Direct Costs
- c. Fixed Costs
- d. Overhead Costs

18. A P.O.P sign is also know as a ...

- a. Pepsi or Coke advertisement showing where vending is in the store
- b. Price of Product, put next to the plant so the customer knows how much it is
- c. Point of Purchase, products or advertisement near register to increase sales
- d. Preference of Purchaser, attached to the sold plants on how to handle it
- e. Placement of Plant, identifies where the plant should be put in the delivery box

19. The most important factor of your continued business success will depend upon what?
- a. The product you are selling
 - b. The weather in your area
 - c. The state of the economy
 - d. The selling skills you develop
 - e. The demographics of the customers you have
20. Before setting up a sales display, you should do what?
- a. Create a drawing or sketch of what you want the display to look like
 - b. Train the customers to use a product that will be sold
 - c. Give products to the customer as samples
 - d. Reduce the price of the item that will be put in the display
 - e. Contact the building codes office to make sure your design is safe
21. When dealing with customers, the most appropriate listening skills include:
- a. Constant eye contact
 - b. Facial expressions the customer is making
 - c. Careful focus on what the customer is saying
 - d. Strategizing you plans to close after they are done talking
 - e. All of the above
22. In a vased arrangement, foliage below the water line should be removed to:
- a. Prevent leaf decay and water deterioration
 - b. Prevent photosynthesis that will turn the water green
 - c. Prevent plugging of the vascular system and premature stem wilt
 - d. All of the above
 - e. Only answers A and B
23. The proper temperature to hold cut flowers other than tropical types is:
- a. 30°F to 35°F
 - b. 35°F to 40°F
 - c. 45°F to 50°F
 - d. 50°F to 55°F
 - e. Never below 58°F
24. In a floral arrangement, *balance*...
- a. should only be symmetrical
 - b. is a reoccurring motif
 - c. has to do with both physical and visual stability
 - d. dependent on the colors used
 - e. is not important when making a design

25. A crescent design is an example of _____ balance.

- a. symmetrical
- b. asymmetrical**
- c. non symmetrical
- d. semicircular
- e. roundy moundy

26. When ordering flowers for an event, one should consider:

- a. Availability
- b. Price
- c. Keeping quality
- d. Venue color scheme
- e. A and C
- f. All of the above**

27. Designs of this period were masses of flowers with no focal point and poor proportion.

- a. Victorian**
- b. French
- c. Egyptian
- d. American
- e. Asian

28. Baby's Breath is an example of a _____ flower.

- a. Mass
- b. Form
- c. Foliage
- d. Filler**
- e. Irregular

29. _____ is the use of plants inside of building to soften the environment and to create a feeling of the outdoors.

- a. Naturalizing
- b. Interiorscaping**
- c. Landscaping
- d. Faux-scaping
- e. Greening

30. _____ seed are those that are soaked in a Potassium Chloride salt solution, Ethyl Alcohol or other specialized solution, in order to make the growth hormones and enzymes to become active and initiate quicker radicle or root growth.

- a. Propagated
- b. Scarified
- c. Homogenized
- d. Primed**
- e. None of the above