

**1997 Iowa FFA Floriculture Career Development Event
General Knowledge Examination
Thursday, June 19, 1997**

Your Name _____ Contestant Number _____

School Address (city) _____

Directions: Place your name, School Address, and Contestant Number on the score sheet, then fill in the corresponding blank spaces for each of the 25 questions. When you are complete turn your score sheet and test over. You are allowed to use calculators (non-programmable), and should use pencil on the test.

1. Humidity around indoor plants can be increased by:

- a. Spraying a fine mist of water on the leaves
- b. Using a watertight tray with pea gravel and water around the gravel
- c. Using a humidifier
- d. All of the above

2. A house plant that grows well in full sunlight is:

- a. Hydrangea
- b. Schefflera
- c. Spider plant
- d. Dieffenbachia

3. Florist tape is used to:

- a. Cover exposed florist wire
- b. Hold the flowers more tightly
- c. Cover exposed flower stems
- d. All of the above
- e. None of the above

4. A color scheme of flowering annuals that creates a carnival effect in the garden is called:

- a. Complimentary
- b. Analogous
- c. Monochromatic
- d. Polychromatic

5. Plants need _____ water when they bloom:

- a. More
- b. Less
- c. The same amount of
- d. Very little

6. In an arrangement, heavy focal materials should be:

- a. Disbudded throughout the arrangement
- b. Placed at the outer edges of the arrangement
- c. The dominate color in the arrangement
- d. Placed at the bottom of the arrangement

7. Which of the following would best establish lines in an arrangement of flowers:
- a. Babys Breath b. Leatherleaf c. Rose d. Gladiola
8. The leaves of plants manufacture:
- a. Starch b. Protein c. Sugars d. Potassium
9. An effective method of watering potted plants in a home is by:
- a. Setting the pot in a pan of water daily b. Flooding the pot every day
c. Using a wick system d. Using a mist system
10. Air layered plants are removed from the parent plant:
- a. When the roots are four to six inches long b. When the plants are sold
c. As soon as the roots are visible d. Immediately after layering
11. If a customer selects an item marked \$25.00 which is a "special" marked 10 percent off, and there is a 5 percent sales tax, the customer should be charged:
- a. \$ 15.75 b. \$ 23.63
c. \$ 22.50 d. \$ 21.96
e. \$ 24.67
12. A plant maintains a healthy heat and moisture balance through a process called:
- a. Photosynthesis b. Respiration
c. Hybridization d. Transpiration
13. One of the drawbacks to using incandescent lighting for house plants is that it:
- a. Produces less heat b. Emits mostly red light waves
c. Produces too much blue light waves d. Produces too much light at a given time.
14. The width of the bow in a corsage should be _____ than (as) the fullest part of the corsage.
- a. slightly narrower b. Same width
c. Wider d. One and one-half times wider

15. "Pinching" refers to the removal of a:
- a. Terminal bud
 - b. Lateral shoot
 - c. Lateral flower buds
 - d. Terminal flower
16. Although chrysanthemums flower naturally in the fall months, they can be flowered at any time of the year in greenhouses through the appropriate control of:
- a. Photoperiod
 - b. Temperature
 - c. Moisture
 - d. Nutrition
17. Oedema in plants is usually caused by:
- a. Too much heat around the plant
 - b. An insect called Oedem
 - c. Overwatering
 - d. Too short of a growing season
18. Sugars and oxygen are produced in plants by the:
- a. Interaction of light energy, carbon dioxide, and water with chlorophyll
 - b. Light intensity and rising temperatures
 - c. Interaction of light energy, carbon monoxide, and soil nutrients
 - d. Interaction of chlorophyll with soil nutrients and water.
19. Which foliage plant is not a vine?
- a. Hedra helix
 - b. Peperomia obtusifolia
 - c. Ficus benjamina
 - d. Nephrolepis exaltata
20. Which of the following insecticides can be used to control tiny, brownish-yellow, winged insects that cause flecked or silver-white streaking and stippling on foliage and flowers:
- a. Malathion
 - b. Captan
 - c. Phygon
 - d. Kalthene
21. Which cut flower is likely to turn brown if touched?
- a. Gladiolus
 - b. Tulip
 - c. Gardenia
 - d. Rose
22. A symptom that a plant is experiencing phototropism is that the plant:
- a. Leaves are turning yellow
 - b. Reaching for light
 - c. Developing aerial roots
 - d. Appears to be wilting
 - e. Has a well developed root system

23. It is best to divide late summer or fall blooming perennials in the:
- a. Fall
 - b. Late summer
 - c. Early spring
 - d. Summer
24. Potassium contributes to which of the following plant growth habits:
- a. Stem strength and disease resistance
 - b. Bloom and root growth
 - c. Green color development of the plant
 - d. None of the above
25. Pheromone traps attract insects by:
- a. Their color and shape
 - b. Chemical signals given off by other insects
 - c. The brightness of their light
 - d. The aroma of the plant by which they trap is located.

This concludes this segment of the Career Development Event. We suggest that if there is enough time, that you review any questions you had difficulty with. Also, double check to be certain that you completely filled in the ovals on the score sheet. When completely finished, turn over your copy of the test and answer sheet. You will be turning both in when asked.

- a. Is your name on the score sheet?
- b. Is your contestant name on the score sheet?
- c. Did you answer and fill in for 25 questions?

**Answers to 1997 Iowa FFA
Floriculture Career Development Event
General Knowledge Examination**

- | | |
|-------|-------|
| 1. D | 18. A |
| 2. A | 19. C |
| 3. D | 20. A |
| 4. D | 21. C |
| 5. A | 22. B |
| 6. D | 23. C |
| 7. D | 24. A |
| 8. C | 25. B |
| 9. C | |
| 10. C | |
| 11. B | |
| 12. D | |
| 13. B | |
| 14. C | |
| 15. A | |
| 16. A | |
| 17. C | |