

DO NOT WRITE ON THIS EXAM

**FFA Floriculture Contest
General Knowledge Examination**

True or False – Circle correct answer on answer sheet.

1. Soilless potting mixes are considered weed seed free and do not need to be sterilized.
2. Light provides the energy for food production in most plants.
3. Oxygen is a plant waste product in the process of photosynthesis.
4. Flower and foliage stems should be recut before using in an arrangement.
5. Disease symptoms are caused only by microscopic living organisms.
6. Complete metamorphosis means the insect was in a nymph stage.
7. The petiole and the blade make up the entire leaf.
8. In respiration, plants convert carbohydrates to usable energy.
9. A plant that lives only two seasons is called an annual.
10. Poly covered greenhouses have to be recovered every year.
11. Poinsettias require a long day to flower.
12. A cubic yard of soil has 27 cubic feet of soil.
13. Pinching is a process designed to promote taller plants.
14. Aphids are considered a chewing insect.
15. Division is a method of propagation.
16. Selective herbicides kill all plants on which they are applied.
17. Floriculture is the part of ornamental horticulture that deals with the cultivation of foliage and flowering plants.
18. The anther and filament make up the female part of a flower.
19. Plants use oxygen and give off carbon dioxide.
20. Commercial flower preservatives contain substances to extend the shelf life of cut flowers.

MULTIPLE CHOICE – Circle the correct answer on answer sheet.

21. Water is important in plant growth processes because it:
- A) Is important in photosynthesis
 - B) Provides turgor pressure for growth
 - C) Provides for transpiration and translocation
 - D) Both A and C
 - E) All of the above
22. Hydrangeas are forced for the following holidays:
- a. Thanksgiving, Christmas, Valentine's Day
 - b. Easter, Mother's Day, Memorial Day
 - c. Memorial Day, July 4, Labor Day
 - d. Secretary's Day, Sweetest Day
23. The primary food elements are:
- A) Phosphorus, Calcium, and Nitrogen
 - B) Nitrogen, Phosphorus, and Iron
 - C) Phosphorus, Nitrogen, and Potassium
 - D) Potassium, Phosphorus and Calcium
 - E) None of the above
24. Which of these florist wires are thicker?
- a. 16 gauge
 - b. 30 gauge
25. When a black is added to a hue, the resulting color is called a:
- a. Shade
 - b. Hue
 - c. Tone
 - d. Tint
26. Chlorosis is a condition evidenced by:
- a. Browning of lower leaves
 - b. Veins turning light-green or yellow
 - c. Veins remain green while the leaf turns yellow
 - d. Browning of the leaf edges
27. Which of the following is not a true bulb?
- A) Allium
 - B) Narcissus
 - C) Iris
 - D) Tulip
 - E) Lilium

28. Disbudding refers to the:
- Removal of dead or sick flowers from a plant
 - Removal of mature flower buds to keep the plant vigorous
 - Removal of leaf buds to maintain proper size.
 - Thinning of lateral flower buds to provide for a few large ones.
29. Which of the following is not a type of asexual propagation?
- Hybridization
 - Tissue culture
 - Budding
 - Grafting
 - Both C & D
30. B-9 or Alar is a material designed to:
- Promote branching
 - Stimulate growth
 - Retard growth
 - Promote flowering
31. Photosynthesis:
- Occurs in the stomates
 - Occurs only at night
 - Is the primary function of leaves
 - Does not occur in variegated plants
 - Is a method by which plants respire
32. The following cut flower should be stored at a temperature above 50 degrees Fahrenheit:
- Rose
 - Carnation
 - Chrysanthemum
 - Orchid
33. When a plant is “flagging” this means that it is:
- Signaling to another plant
 - Slightly wilted
 - Severely wilted
 - In a strong wind
34. Which material is recommended for control of soil insects?
- Chlordane
 - Sevin
 - Sulfur
 - Kelthane
35. Bottom heat refers to:
- Heat given off by germinating seeds
 - Warmed growing/propagation mediums
 - Electric seat cushions
 - Warmed workroom floors

36. Which of the following does not belong:
- Tuber
 - Corm
 - Rhizome
 - Sepal
37. Which color is absent when the chlorophyll content is very low in a plant?
- Yellow
 - Blue
 - Green
 - Red
38. Large leaves are often removed from a geranium plant in late winter to:
- Reduce disease problems
 - Permit more light to reach young growth
 - Reduce space requirements
 - Encourage flowering
39. The first thing to do before applying a pesticide is:
- Fill the spray tank
 - Read the label
 - Put on protective clothing
 - Wash all equipment
40. When spraying plants to control insects, the spray should be directed upward through the plants in order to:
- Avoid residue on the leaf surface
 - Cover the underside of the leaves
 - Avoid spreading diseases
 - Wash the insects off the leaves
41. Which of the following is not part of a flower:
- Anther
 - Petiole
 - Pistil
 - Stamen
 - Petal
42. Which foliage plant is vine-like in its growth habit?
- Pothos
 - Snake Plant
 - Ficus elastica
 - Schefflera

43. Safety in handling pesticides begins with:
- Not smoking during pesticide application
 - Clearing greenhouses of obstacles
 - Review of the label
 - Wearing of protective equipment
44. Broccoli is a:
- Cool crop
 - Moderate temperature crop
 - Warm crop
45. A speckled leaf with fine silky strands on the flower leaf surface between leaves suggest the presence of:
- Botrytis
 - Mealy bug
 - Damping-off
 - Spider mites
46. The three elements used by plants in the greatest amounts are:
- Calcium, magnesium, nitrogen
 - Nitrogen, phosphorus, potassium
 - Carbon, nitrogen, sulfur
 - Zinc, hydrogen, boron
47. If your plants leaves are beginning to turn pale yellow, you should:
- Alter your fertilizer schedule
 - Examine the frequency of watering
 - Calculate the light intensity
 - If under fluorescent lights, alter their duration
 - All of the above
48. Shoots that develop from the root system around the trunk of a tree are called:
- Tillers
 - Suckers
 - Rhizomes
 - Water sprouts
49. A person who identifies and classifies plants is known as a:
- Taxonomist
 - Taxidermist
 - Horticulturist
 - Pneumonot
50. The first thing to do in making a flower arrangement is to:
- Establish the main line
 - Collect all your materials
 - Plant the design
 - Anchor the stem holder into position

ANSWER SHEET

1. T F
2. T F
3. T F
4. T F
5. T F
6. T F
7. T F
8. T F
9. T F
10. T F
11. T F
12. T F
13. T F
14. T F
15. T F
16. T F
17. T F
18. T F
19. T F
20. T F
21. A B C D E
22. A B C D E
23. A B C D E
24. A B C D E
25. A B C D
26. A B C D E
27. A B C D E
28. A B C D
29. A B C D E
30. A B C D E
31. A B C D E
32. A B C D
33. A B C D
34. A B C D
35. A B C D
36. A B C D
37. A B C D
38. A B C D
39. A B C D
40. A B C D E
41. A B C D E
42. A B C D E
43. A B C D
44. A B C D
45. A B C D
46. A B C D
47. A B C D E
48. A B C D
49. A B C D
50. A B C D