

## 2003 STATE FFA FLORICULTURE KNOWLEDGE TEST

Student Name \_\_\_\_\_ Score \_\_\_\_\_

Chapter \_\_\_\_\_ Student Number \_\_\_\_\_

Directions: Choose the correct answer and write the letter for your answer in the blank.

- \_\_\_ 1. The night greenhouse temperature for growing chrysanthemums compared to growing poinsettias is:
- 20 degrees F. difference.
  - About the same.
  - Higher.
  - Lower.
- \_\_\_ 2. To have photoperiodic potted plants for sell from his greenhouses for the Christmas season, the grower should produce:
- Chrysanthemums.
  - Marigolds.
  - Poinsettias.
  - Zinnias.
- \_\_\_ 3. Compared to poinsettias, the number of chrysanthemum plants for the same size pot is:
- Fewer.
  - More.
  - One-half.
  - Same.
- \_\_\_ 4. Both chrysanthemums and poinsettias are:
- Long-day photoperiodic flowers.
  - Short-day photoperiodic flowers.
  - The same color.
  - The same species.
- \_\_\_ 5. How much pesticide should be mixed at one time?
- Enough for the job at hand
  - Enough to use whole container
  - 20 gallons
  - 100 gallons

- \_\_\_ 6. The most dangerous time of using pesticides is:
- Applying.
  - Hauling.
  - Mixing.
  - Purchasing.
- \_\_\_ 7. Which class of pesticides does the Environmental Protection Agency (EPA) consider the MOST dangerous?
- Dusts
  - General use
  - Restricted use
  - Sprays
- \_\_\_ 8. Pesticide warnings and reentry times for workers must be given in:
- English.
  - French.
  - Language they understand.
  - Spanish, English, and French.
- \_\_\_ 9. Which plant has large tube-shaped flowers and large velvet-textured leaves?
- Evergreen Candytuft
  - Gloxinia
  - Japanese Yew
  - Parlor Palm
- \_\_\_ 10. Which pruning tool is used for most pruning in greenhouses?
- Ax
  - Hand shears
  - Hedge shears
  - Pole pruner
- \_\_\_ 11. Mass flowers used in floral designs have:
- Flowers on end of stems.
  - Small sprays of flowers.
  - Tall spikes with florets.
  - Unique shapes or colors.
- \_\_\_ 12. Line flowers are used in floral arrangements to:
- Add mass and cover foam.
  - Create size and shape of outline.
  - Draw attention to focal point.
  - Fill empty spaces and hide ties.

- \_\_\_ 13. Foliages such as ferns are used in floral designs to:
- Add mass.
  - Create outline.
  - Establish width.
  - Fill empty spaces.
- \_\_\_ 14. A Hogarth curve floral design is shaped like a/an:
- Fan.
  - Inverted T.
  - Oval.
  - S.
- \_\_\_ 15. A crescent floral design is shaped like a:
- Circle.
  - Fan.
  - Quarter moon.
  - Triangle.
- \_\_\_ 16. When flowers look too big for their container, the design principle that was NOT followed is:
- Balance.
  - Focal point.
  - Repetition.
  - Rhythm.
- \_\_\_ 17. Which flowers are used to add mass?
- Baby's breath
  - Carnations
  - Gladiolus
  - Orchids
- \_\_\_ 18. If the container is 10 inches high, the height of the floral design should be:
- 6 inches.
  - 10 inches
  - 18 inches
  - 30 inches
- \_\_\_ 19. The first step in making a floral arrangement is to:
- Attach foam to container.
  - Cut flower stems.
  - Establish outline.
  - Select design shape.

- \_\_\_ 20. Which flowers are used to make the outline of a floral arrangement?
- Bird of paradise
  - Carnations
  - Chrysanthemums
  - Gladiolus
- \_\_\_ 21. If the container is 10 inches wide, how wide should the floral arrangement be?
- 5 inches
  - 10 inches
  - 15 inches
  - 25 inches
- \_\_\_ 22. What is the main function of a greenhouse?
- Beautify its location
  - Produce corn and wheat
  - Provide a protective environment to grow plants.
  - Supply carbon dioxide and nitrogen for plant growth
- \_\_\_ 23. Which greenhouse environmental factor is controlled with the humidistat?
- Carbon dioxide
  - Light
  - Moisture
  - Temperature
- \_\_\_ 24. Which greenhouse environmental control device causes lights to automatically come on and turn off?
- Carbon dioxide meter
  - Humidifier
  - Thermostat
  - Timer
- \_\_\_ 25. Light in a greenhouse is controlled by using:
- Black cloth and bulbs.
  - Foggers and humidifiers.
  - Heaters and fans.
  - Ventilators and cooling pads.
- \_\_\_ 26. Flowers on marigolds are:
- Blue and white.
  - Pink and purple.
  - Red and white.
  - Yellow and orange.

- \_\_\_ 27. Marigold seeds should be planted deeper than petunia seeds because:
- Marigold seeds are larger.
  - Marigold seeds require higher temperature to germinate.
  - Petunia seeds are larger.
  - Petunia seeds are scarified before planting.
- \_\_\_ 28. What should be used to prevent holes in leaves of potted plants?
- Growth retardants
  - Fungicides
  - Insecticides
  - Slug baits
- \_\_\_ 29. The ability of a plant to withstand the minimum temperature of an area is:
- Aggregation.
  - Compatibility.
  - Hardiness.
  - Polarity.
- \_\_\_ 30. How many pounds of phosphorus are in a 100 pound bag of 15-0-14 fertilizer?
- 0
  - 14
  - 15
  - 29
- \_\_\_ 31. Single-faced #3 satin ribbon is most commonly used for:
- Corsages.
  - Funeral arrangements.
  - Potted plants.
  - Wedding candelabra bows.
- \_\_\_ 32. The loss of water through plant leaves is the process of:
- Photosynthesis.
  - Respiration.
  - Translocation.
  - Transpiration.
- \_\_\_ 33. The three basic steps to selling in a flower shop are creating an interest, convincing the customer, and:
- Cleaning the sales counter.
  - Closing the sale.
  - Coming to work.
  - Counting the money.

- \_\_\_ 34. If seeds have a 93 percent germination rate, 93 out of every 100 seeds will change into:
- Dicots.
  - Fruits.
  - Monocots.
  - Seedlings.
- \_\_\_ 35. Which of these is a sucking insect?
- Aphid
  - Grasshopper
  - Japanese beetle
  - Tomato hornworm
- \_\_\_ 36. The procedures used to break dormancy and to establish some growth before bulbs are brought into a warm room for flowering are called:
- Bolting.
  - Cooling.
  - Forcing.
  - Heating.
- \_\_\_ 37. Which growing media has the LEAST aeration?
- Gravel
  - Perlite
  - Soil
  - Vermiculite
- \_\_\_ 38. The category of toxicity for a pesticide with the signal word “DANGER” and a skull and crossbones on the label is:
- Highly toxic.
  - Moderately toxic.
  - Relatively nontoxic.
  - Slightly toxic.
- \_\_\_ 39. Most bedding plants are:
- Annuals.
  - Biennials.
  - Centennials.
  - Perennials.
- \_\_\_ 40. The green part of the flower which covers and protects the flower bud before it opens is the:
- Filament.
  - Ovary.
  - Receptacle.
  - Sepal.

- \_\_\_ 41. Sexual propagation of plants comes from:
- Leaves.
  - Roots.
  - Seeds.
  - Stems.
- \_\_\_ 42. A tool used to make holes in media for transplanting seedlings or cuttings is a:
- Dibble.
  - Dowel.
  - Planting bar.
  - Trowel.
- \_\_\_ 43. A growth regulator used on lilies to shorten stem length is:
- B-Nine.
  - Cycocel.
  - Methyl bromide.
  - Phosfon.
- \_\_\_ 44. Tissue culture is the same as:
- Layering.
  - Macropropagation.
  - Micropropagation.
  - Sexual propagation.
- \_\_\_ 45. Which nutrient is a trace element?
- Calcium
  - Magnesium
  - Potassium
  - Zinc
- \_\_\_ 46. The plant part where photosynthesis occurs is the:
- Flower.
  - Leaf.
  - Root.
  - Stem.
- \_\_\_ 47. The four main parts of a completed flower are:
- Anthers, filaments, receptacle, stamens.
  - Receptacle, ovary, stamens, style.
  - Stamens, sepals, pistil, petals.
  - Stigma, ovule, style, ovary.

- \_\_\_ 48. The pH of an alkaline soil may be lowered by adding:
- a. Calcium.
  - b. Gypsum.
  - c. Lime.
  - d. Sulfur.
- \_\_\_ 49. Mums are propagated by:
- a. Division.
  - b. Hardwood cuttings.
  - c. Seeds.
  - d. Softwood cuttings.
- \_\_\_ 50. The plant tissue in stems responsible for transporting water up the plant is:
- a. Bark.
  - b. Cambium.
  - c. Phloem.
  - d. Xylem.