

South Dakota FFA Floriculture CDE
General Knowledge Test 2002

1. Which of the following would not be considered a typical floricultural crop?
a. Carnations b. Alstroemeria c. Sweet corn d. Liatris
2. The process in plants by which CO₂ and H₂O is converted into carbohydrates in the presence of light is known as
a. Pyrosynthesis b. Respiration c. Photokinesis d. Photosynthesis
3. The generic name of a plant is
a. Placed first and is capitalized. b. Placed last and is in single quotes.
c. Placed first and is not capitalized. d. Placed second and is not capitalized.
4. Which of the following statements is most true?
a. Plants within the same family are generally most closely related.
b. Plants within the same species are most closely related.
c. Plants within the same genus are most closely related.
d. Plants within the same order are most closely related.
5. A plant that has five leaves attached to the stem at each node would have a _____ leaf arrangement.
a. Simple b. Alternate c. Opposite d. Whorled
6. Which of the following statements is not true regarding the stoma in a leaf?
a. It is an opening by which gas exchange occurs.
b. Its opening is controlled by guard cells.
c. It is an opening to allow for the transport of chloroplasts out of the leaf.
d. Will generally be closed during periods of water stress.
7. Which of the following statements in not true in regard to respiration?
a. It only occurs at night.
b. It releases stored energy for the plant to use.
c. It is a process that is found in all living cells.
d. Its rate can be reduced as temperatures are decreased.
8. Water and dissolved nutrients are mainly transported in the stem by the
a. Xylem. b. Phloem. c. Cambium. d. Bark.
9. A staminate flower will not contain a
a. Anther. b. Filament c. Calyx d. Stigma
10. A fertilized egg ripens into a
a. Seed b. Fruit c. Ovary d. Stomate
11. A plant which has apical dominance will generally
a. Normally branches profusely b. Have one main stem
c. Responds to pinching by producing more branches d. Answers b and c
12. Gibberellic acid (GA) is used on plants to
a. Encourage branching b. Reduce plant height

24. A good general rule for watering interior plants is
- Water once per week.
 - Wait until the plant wilts before watering.
 - Water a little every day.
 - Water thoroughly, then wait until the soil dries before watering thoroughly again.
25. Which of the following practices is useful in increasing humidity around interior plants?
- Group plants together.
 - Grow plants on a tray of pea gravel, partially filled with water.
 - Use a humidifier.
 - All of the above.
26. Most interior plants will grow best if provided with
- Full sun.
 - Low light
 - Bright, filtered light
 - Dense shade
27. In the potting of plants in the greenhouse, which of the following statements is true?
- It will take more media to fill a 6" azalea pot compared to a 6" standard pot.
 - A bulb pan will hold more media than an azalea pot.
 - The media should be tightly packed in the container.
 - Standard pots hold more media than a bulb pan or azalea pot.
28. Which of the following annuals would not be a good choice for planting in the front of a flower bed?
- Zinnia
 - Begonia
 - Alyssum
 - Ageratum
29. Which of the following would be the best choice for an annual plant to provide a wide range of colors in a flower bed?
- Petunia
 - Ageratum
 - Salvia
 - Lobelia
30. Which of the following perennials would be a good choice for late fall flowering in the garden?
- Peony
 - Aster
 - Iris
 - Oriental poppy
31. A floral design must use the basic principles of design which include
- Balance and harmony.
 - Unity and rhythm
 - Scale and focal point.
 - All of these.
32. Which of the following would not likely be provided by a mass-market floral shop?
- Fresh floral arrangements
 - Delivery service
 - Potted flowering plants
 - Potted foliage plants
33. Oriental designs use minimal plant material with each placement representing
- Man, woman and earth
 - Earth, wind and fire
 - Man, child and earth
 - Man, earth and heaven
34. A design that has good balance will
- Appear secure and stable.
 - Appear to have balanced visual weight.
 - Be composed of several colors of flowers.
 - Answers a and b.

35. The part of a design which attracts and holds the eye of the viewer is called the
 a. Harmony point. b. Focal point. c. Point of rhythm. d. Unity point.
36. Design forms include
 a. Oval. b. Crescent. c. Asymmetrical triangle. d. All of these.
37. Complimentary colors appear _____ each other on the color wheel.
 a. Opposite b. next to c. At a right angle to d. None of these
38. Which of the following is not normally considered to be a good line flower?
 a. Liatris b. Gypsophila c. Gladiolus d. Snapdragons
39. Which of the following would be a good filler flower?
 a. Standard roses b. Mini-carnations c. Gerbera d. Delphinium
40. Which of the following are typically found in a floral preservative solution?
 a. Acidifier, starch and bactericide. b. Acidifier, sugar and bactericide.
 c. Alkaline agent, sugar and bactericide. d. Acidifier, alkaline agent and bactericide.
41. Most cut flowers, other than tropicals, will be best stored at a temperature of
 a. 25 to 28F b. 28 to 34F c. 36 to 40F d. 40 to 50F
42. Ethylene is a gas that will greatly shorten flower life. It is commonly produced by
 a. Damaged or diseased flowers. b. Deteriorating foliage in the water.
 c. Engine exhaust. d. All of these.
43. Floral foam should be saturated with water using the
 a. Drenching method. b. Water hose.
 c. Container as a holding device. d. Free-float method.
44. When adding a bow to a corsage, the best size ribbon to use would be
 a. 100 b. 40 c. 9 d. 3
45. Floral foam may be held securely in the container by using
 a. Floral tape b. Waterproof tape c. Hot glue d. Cement
46. When drying flowers, it often works well to hang them upside down in a location that is well-ventilated and
 a. Dark b. Humid c. Sunny d. Cold
47. Supplies such as containers, ribbon, floral foam and gift items are generally sold with a _____ markup.
 a. 2-to1 b. 3-to-1 c. 4-to-1 d. 5-to-1
48. An arrangement that exhibits polychromatic display would have flowers that are
 a. Found near each other on the color wheel.
 b. Using two or three colors that are directly across from each other on the color wheel.
 c. Using a wide range of colors.
 d. Using three colors that are equidistant from each other on the color wheel.
49. Spike, raceme, cyme and panicle are all types of
 a. Inflorescences b. Leaf arrangement c. Perennials d. Foliage

50. Holding devices for fresh cut flowers include
- a. Frog.
 - b. floral foam.
 - c. Tape grid.
 - d. All of the above.