

FFA CDE—Floriculture Exam

April 15, 2000

MULTIPLE CHOICE: Write the letter corresponding to your answer in the blank to the left of each question. Each correct answer adds five points to your score.

- _____ 1. *Lilium speciosum* var. *rubrum* is classed as a
- A. line flower.
 - B. mass flower.
 - C. filler flower.
 - D. form flower.
 - E. None of the above.
- _____ 2. A “Class III” pesticide is
- A. highly toxic.
 - B. moderately toxic.
 - C. slightly toxic.
 - D. relatively non-toxic.
 - E. None of the above.
- _____ 3. Select the plant(s) that prefer(s) bright filtered light.
- A. Parlor palm
 - B. Asparagus fern
 - C. Cast iron plant
 - D. All of the above.
 - E. None of the above.
- _____ 4. A plant whose young leaves exhibit yellow between the veins while the veins remain green is suffering from
- A. nitrogen deficiency.
 - B. manganese deficiency.
 - C. sulfur deficiency.
 - D. All of the above.
 - E. None of the above.
- _____ 5. The specific epithet “*orientalis*” refers to a plant’s
- A. flowers orienting toward the sun.
 - B. being native to the Orient.
 - C. discoverer, *e.g.* Carl J. Oriental.
 - D. All of the above.
 - E. None of the above.
- _____ 6. How much fertilizer goes into a 40 gallon tank to make 150 ppm of a 5-10-20 fertilizer? Calculate for phosphorus and round to the nearest ounce.
- A. 8
 - B. 12
 - C. 16
 - D. All of the above.
 - E. None of the above.
- _____ 7. Of the following taxonomic nomenclature, which is the most specific?
- A. Species
 - B. Variety
 - C. Form
 - D. Genus
 - E. Family

- 8. Approximately how many cubic yards of soil-less medium would be required to fill a greenhouse bed that is 20' long, 8' wide, and 12" deep?
- A. 160
 - B. 18
 - C. 6
 - D. All of the above.
 - E. None of the above.
- 9. A plant that lives more than two seasons.
- A. Annual
 - B. Biennial
 - C. Perennial
 - D. All of the above.
 - E. None of the above.
- 10. The proper tool(s) for lifting heavy materials such as sand, gravel, concrete and rocks is (are)
- A. square-nose shovel.
 - B. scoop shovel.
 - C. round-nose shovel.
 - D. All of the above.
 - E. None of the above.
- 11. A hue that has been modified by the addition of white is a
- A. tone.
 - B. shade.
 - C. tint.
 - D. All of the above.
 - E. None of the above.
- 12. Two or more even-span greenhouses connected at the eaves, which contain no inner walls separating the greenhouses, are called a
- A. Quonset greenhouse.
 - B. Ridge-and-furrow greenhouse.
 - C. Contiguous greenhouse.
 - D. All of the above.
 - E. None of the above.
- 13. Calculate the amount of fertilizer to use with 100 gallons of water and a proportioning pump set at 1:100 ratio.
- A. 5 gallons
 - B. 10 gallons
 - C. 50 gallons
 - D. All of the above.
 - E. None of the above.
- 14. An exposure where light is filtered by curtain or tree leaves, such that 60% to 75% of the light reaches the plant would be classified as
- A. direct sun.
 - B. medium light.
 - C. bright light.
 - D. All of the above.
 - E. None of the above.
- 15. The process to remove soluble salts from the soil by water is called
- A. Capillary action.
 - B. Capillary suction.
 - C. Leaching.
 - D. All of the above.
 - E. None of the above.

- _____ 16. Kills pest when introduced into system of the host, without damaging the host
- Fumigant
 - Systemic
 - Sterilant
 - All of the above.
 - None of the above.
- _____ 17. *Gypsophila paniculata* is classed as a
- line flower.
 - mass flower.
 - filler flower.
 - form flower.
 - None of the above.

TRUE/FALSE: Write the letter corresponding to your answer in the blank to the left of each question. Each correct answer adds five points to your score.

- _____ 18. An asymmetrical triangle arrangement is characterized by unequal visual weight on either side of the central axis.
- _____ 19. When used as thermal sheets, standard polyethylene plastic can sag and collect condensed water.
- _____ 20. No. 9 ribbon is used to decorate blooming plants, green plants, and rose arrangements.
- _____ 21. A gladiolus is an example of a form flower.
- _____ 22. An anther would be found in a pistillate flower.
- _____ 23. A calyx is composed of fused sepals.
- _____ 24. Poinsettia is an example of a "short day" plant.
- _____ 25. A plant that has sparse foliage should be watered more frequently than one with an abundance of foliage.
- _____ 26. The plumule is the embryonic root.
- _____ 27. 24 gauge wire is thinner than 20 gauge wire.
- _____ 28. An emulsion is tiny particles of oil suspended in another liquid.
- _____ 29. pH values below 7 are alkaline.
- _____ 30. Most of Oklahoma is in USDA Hardiness Zones 7 and 8.
- _____ 31. The purlin is made of metal or wood and runs from eave to the ridge.
- _____ 32. The ideal growing medium is a mixture of 50% solids (soil and/or soil-less particles), 25% capillary pores, and 25% non-capillary pores.
- _____ 33. Fan jet ventilation moves small amounts of cold evening or night air through a tube to cool all parts of the greenhouse without chilling any one area.
- _____ 34. A selective herbicide is one that affects all plants or all parts of plants.
- _____ 35. Salt build-up can occur with plants whether water is applied from above or below foliage.
- _____ 36. Polarity refers to the tendency for a cutting to sprout roots from the distal end and sprout shoots from the proximal end.
- _____ 37. The hookwire method of wiring is used primarily on flowers with buttoned centers.
- _____ 38. A node is the point at which a leaf attaches to the stem.
- _____ 39. Most fresh cut flowers should be placed in 100°F floral preservative until fully hydrated.
- _____ 40. KO_2 is the chemical formula for potassium in the oxide form.