

FLORICULTURE

(3 or 4 Team Members) An FFA chapter may enter one team only

The first place team in the State FFA Floriculture CDE will be the representative team for the National FFA Floriculture CDE.

Part 1 - Identification of Plant Materials.....500 points.

- 50 specimens from the 100 plants listed on the Texas Floriculture Plant List are displayed for students to identify by scientific and common names.
- A specimen may consist of any part of the plant.
- Each plant specimen is designated with a number. Students bubble in the appropriate number in the space next to the specimen's name on the official scorecard.
- 10 points are given for each correctly identified plant specimen.
- 50 minutes (60 seconds per station).

Part 2 - Placing Classes.....300 points.

- 6 classes are selected from the Placing Classes List.
- All plants in a class are the same species or cultivar.
- Some classes may contain cut flowers/greenery or container grown plants.
- 1 class of line flowers.
- 1 class of form flowers.
- 1 class of mass flowers.
- 1 class of blooming container plants.
- 1 class of foliage container plants.
- 1 class of floral designs.
- 4 items per placing class.
- Classes are designated by number and name.
- 5 minutes to judge each class (30 minutes total).
- 50 points per class.

Part 3 - General Knowledge Examination100 points.

- 50 multiple choice questions taken from databank of questions located on the IMS website <www-ims.tamu.edu>
- 30 minutes allowed for examination.
- 2 points per question.

Total Points Possible

Individual.....900 points
Team.....2,700 points

1. Under no circumstances is any student allowed to touch or handle the plant materials used as part of the event. Any infraction of this policy is sufficient cause to eliminate the team from the event.
2. Observers are not permitted in the event area while the event is in progress, but may be allowed in the area following the event.
3. Team members must furnish their own pens or sharpened pencils for the event. A pencil sharpener may not be available in each event room. Battery operated calculators may be used and must be furnished by the team member. Sharing of calculators between team members will not be permitted. Electrical outlets will not be available for charging batteries, etc. No allowance will be made for malfunctioning or inoperable calculators.
4. The "Horticulture" scan sheet will be used for this CDE.

Ties for team awards: (1) The team with the highest score in the identification section wins. If still tied, (2) the team with the highest score in the placing class of floral designs wins. If still tied, (3) the team with the highest score on the examination wins. If still tied, (4) advisors will match for the high award. Ties for individual awards shall be broken by substituting the word "individual" wherever the word "team" appears above.

FLORICULTURE PLACING CLASSES

1. One class of line flowers, which may include:
 - Antirrhinum majus* cv. – snapdragon
 - Gladiolus x hortulanus* cv. – gladiolus
 - Liatris spicata* – liatris
 - Matthiola incana* – stock

2. One class of form flowers, which may include:
 - Anthurium andraeanum* – anthurium
 - Gerbera jamesonii* cv. – gerbera
 - Lilium* cv. ‘Stargazer’ – Stargazer lily
 - Rosa* cv. – rose

3. One class of mass flowers, which may include:
 - Chrysanthemum morifolium* cv. –
cushion (pompom) chrysanthemum
 - Chrysanthemum morifolium* cv. –
daisy chrysanthemum
 - Dianthus caryophyllus* cv. –
standard carnation
 - Freesia x hybrida* – Freesia

4. One class of blooming container plants, which may include:
 - Kalanchoe blossfeldiana* cv. – kalanchoe
 - Pelargonium x hortorum* cv. – geranium
 - Rhododendron* cv. – azalea
 - Saintpaulia ionantha* cv. – African violet
 - Sinningia speciosa* – gloxinia

5. One class of foliage container plants, which may include:
 - Crassula argentea* – jade plant
 - Epipremnum aureum* cv. –
golden pothos, devil's ivy
 - Ficus benjamina* 'Exotica' –
Benjamin fig, weeping fig
 - Ficus elastica* 'Decora' – Rubber tree
 - Nephrolepis exaltata* cv. – Boston fern

6. One class of floral designs, which may include the following design styles:
 - Symmetrical triangle
 - Asymmetrical triangle
 - Crescent
 - Round

TEXAS FLORICULTURE PLANT LIST

1. *Achillea filipendulina* – Yarrow
2. *Adiantum* spp. – Maidenhair Fern
3. *Aechmea* cv. – Bromeliad
4. *Agapanthus africanus* – African Lily
5. *Aglaonema commutatum* cv. –
Aglaonema, Chinese Evergreen
6. *Alpinia purpurata* – Ginger
7. *Alstroemeria aurantiaca* –
Alstroemeria, Peruvian Lily
8. *Ammi majus* – Queen Anne’s Lace
9. *Anthurium andraeanum* –
Anthurium, Flamingo Flower
10. *Antirrhinum majus* cv. – Snapdragon
11. *Aphelandra squarrosa* – Zebra Plant
12. *Araucaria heterophylla* – Norfolk Island Pine
13. *Asparagus densiflorus* ‘Myriocladus’ –
Ming Fern
14. *Asparagus densiflorus* ‘Sprengeri’ – Sprengeri Fern
15. *Asparagus setaceus* – Plumosa Fern
16. *Asplenium nidus* – Bird’s Nest Fern
17. *Beaucarnea recurvata* – Ponytail Palm
18. *Begonia x tuberhybrida* cv. – Tuberous Begonia
19. *Brassaia actinophylla* – Schefflera, Octopus Tree
20. *Callistephus chinensis* hybrids – Aster
21. *Celosia argentea* cv. – Celosia, Cockscomb
22. *Chamaedorea elegans* –
Parlor Palm, Chamaedor Palm
23. *Chamelaucium uncinatum* – Waxflower
24. *Chlorophytum comosum* var. – Spider Plant
25. *Chrysanthemum x morifolium* cv. –
Florist’s Chrysanthemum
26. *Codiaeum variegatum* cv. – Croton
27. *Consolida ambigua* cv. – Larkspur
28. *Cordyline terminalis* – Ti Plant
29. *Crassula argentea* – Jade Plant
30. *Cyclamen persicum* cv. – Florist’s Cyclamen
31. *Cytisus scoparius* – Scotch Broom
32. *Delphinium elatum* – Delphinium
33. *Dianthus* cv. – Carnation
34. *Dieffenbachia* spp. – Dumbcane
35. *Dizygotheca elegantissima* – False Aralia
36. *Dracaena fragrans* ‘Massangeana’ –
Corn Plant Dracaena
37. *Dracaena marginata* var. –
Red-margined Dracaena, Dragon Tree
38. *Epipremnum aureum* cv. –
Golden Pothos, Devil’s Ivy
39. *Erica carnea* – Spring Heather
40. *Eucalyptus polyanthemos* – Silver Dollar Gum
41. *Euphorbia milii* var. – Crown of Thorns
42. *Euphorbia pulcherrima* cv. – Poinsettia
43. *Exacum affine* – German Persian Violet
44. *Ficus benjamina* ‘Exotica’ –
Benjamin Fig, Weeping Fig
45. *Ficus elastica* ‘Decora’ – Rubber Tree
46. *Ficus lyrata* – Fiddleleaf Fig
47. *Forsythia x intermedia* – Forsythia
48. *Freesia x hybrida* – Freesia
49. *Galax urceolata* – Galax
50. *Gaultheria shallon* – Salal, Lemonleaf
51. *Gerbera jamesonii* cv. –
Gerbera, Transvaal Daisy
52. *Gladiolus x hortulanus* cv. – Gladiolus
53. *Gypsophila elegans* cv. – Baby’s Breath
54. *Hedera helix* cv. – English Ivy
55. *Helianthus annuus* cv. – Sunflower
56. *Hippeastrum x hybridum* cv. – Amaryllis
57. *Hoya carnosa* var. – Wax Plant
58. *Hyacinthus orientalis* cv. – Hyacinth
59. *Hydrangea macrophylla* – Hydrangea
60. *Iris* spp. – Iris
61. *Kalanchoe blossfeldiana* cv. – Kalanchoe
62. *Liatris spicata* – Liatris
63. *Lilium* cv. ‘Stargazer’ – Stargazer Lily
64. *Lilium longiflorum* cv. – Trumpet Easter Lily
65. *Limonium ferulaceum* – Caspia, Misty Blue
66. *Limonium sinuatum* cv. – Statice
67. *Lupinus* cv. – Lupine
68. *Maranta leuconeura* cv. – Prayer Plant
69. *Matthiola incana* – Stock
70. *Moluccella laevis* – Bells of Ireland
71. *Monstera deliciosa* – Split-leaf Philodendron
72. *Narcissus hybrid* – Daffodil
73. *Nephrolepis exaltata* cv. – Boston Fern
74. *Paeonia lactiflora* cv. – Peony
75. *Pelargonium x hortorum* cv. –
Zonal Geranium
76. *Peperomia argyreia* – Watermelon Peperomia
77. *Phalaenopsis* cv. –
Phalaenopsis, Butterfly Orchid
78. *Philodendron scandens oxycardium* –
Heartleaf Philodendron
79. *Pittosporum tobira* cv. –
Pittosporum, Mock Orange
80. *Plectranthus australis* – Swedish Ivy
81. *Polianthes tuberosa* – Tuberose
82. *Protea* cv. – Protea
83. *Rhododendron* cv. – Azalea
84. *Rosa* cv. – Hybrid Tea Rose
85. *Rumohra adiantiformis* – Leatherleaf Fern
86. *Saintpaulia ionantha* cv. – African Violet
87. *Salix discolor* cv. – Pussy Willow
88. *Salix matsudana* cv. – Curly Willow
89. *Sansevieria trifasciata* cv. –
Sansevieria, Snake Plant
90. *Schlumbergera truncata* cv. –
Thanksgiving Cactus
91. *Sinningia speciosa* cv. – Gloxinia
92. *Spathiphyllum* spp. –
Spathiphyllum, Peace Lily
93. *Stephanotis floribunda* –
Stephanotis, Bridal Wreath
94. *Strelitzia reginae* – Bird of Paradise
95. *Syngonium podophyllum* – Nephthytis
96. *Tulipa* cv. – Tulip
97. *Vaccinium ovatum* – Huckleberry
98. *Xerophyllum tenax* – Bear Grass
99. *Zantedeschia aethiopica* – Calla
100. *Zebrina pendula* cv. – Wandering Jew

References

Materials Available from IMS:

Printed Materials

- 8942 Complete Set AgSc 362 – Horticultural Plant Production, IMS
8959 Complete Set AgSc 363 - Floral Design and Interior Landscape Development, IMS

Color Slides

- 5353 1995 State FFA Horticulture CDE - Plant Identification, TAMU, IMS
5354 1995 State FFA Horticulture CDE - Placing Classes, TAMU, IMS
5355 1999 State FFA Horticulture CDE - Plant Identification, TAMU, IMS
5356 1999 State FFA Horticulture CDE - Placing Classes, TAMU, IMS

VHS Videos

- 9531 Techniques in Flower Judging
9736 Competitive Flower Arranging
9841 Horticulture Plant Identification - Floral, CEV
9842 Horticulture Plant Identification - Foliage, CEV
9844 Practice Horticultural Plant Identification, CEV

Computer Software

- 9421NC Horticipia A to Z (CD-ROM)

Other References (Not Available through IMS):

A Manual for Flower Judging. (1998). Prepared by Pi Alpha Xi National Honorary Society in Floriculture and Ornamental Horticulture. Available from the Department of Plant and Earth Sciences, c/o Dr. Terry Ferriss, University of Wisconsin – River Falls, 410 S. Third Street, River Falls, WI 54022-5001. (715) 425-3345.

Hunter, Norah T. *The Art of Floral Design.* Second edition (2000). Albany, New York: Delmar Publishers, Inc. <www.agriscience.delmar.com>

Websites

Interiorscape Plants Database <<http://aggie-horticulture.tamu.edu/interiorscape/tamuhort.html>>