

**2014 National FFA  
FLORICULTURE CAREER DEVELOPMENT**

*(Please Print Clearly)*

Participant Name \_\_\_\_\_ Participant Number \_\_\_\_\_

**General Knowledge Exam**

- 1) The optimum range for most crops growing in a soilless medium is \_\_\_ - \_\_\_, because in this range micronutrients are \_\_\_\_\_ enough to satisfy plant needs without becoming so \_\_\_\_\_ as to be toxic)
  - a) 7.35, 7.45, soluble, soluble
  - b) 5.8, 6.4, soluble, soluble
  - c) 5.14, 5.75, insoluble, insoluble
  - d) 7.35, 7.45, insoluble, soluble
  
- 2) High humidity in the greenhouse causes plugs to \_\_\_\_\_ and be soft due to lack of \_\_\_\_\_ uptake.
  - a) stretch, oxygen
  - b) shrink, nitrogen
  - c) shrink, calcium
  - d) stretch, calcium
  
- 3) \_\_\_\_\_ can become a problem when plugs are older and the plant canopy is tight.
  - a) Botrytis
  - b) Lobularia
  - c) Vinca
  - d) Celosia
  
- 4) Snapdragons can be stored for three to four days, dry or in water, at 40°F (4°C).
  - a) True
  - b) False

- 5) *Campanula carpatica* is an important \_\_\_\_\_flowering pot crop for a number of European growers.
- a) Fall  
b) Winter  
c) Summer  
d) Spring
- 6) You cannot change your poinsettia crop while it is growing based on the type of fertilizer you use.
- a) True  
b) False
- 7) Gladioli species and the cultivars produce a multi-flowered inflorescence that can contain \_\_\_\_\_ to \_\_\_\_\_ florets.
- a) 2, 9  
b) 10, 25  
c) 3, 13  
d) 26, 35
- 8) \_\_\_\_\_, or satin flower has been transformed from a unique and uncommon garden plant into a dependable cut flower for greenhouse and field production and for pot plant production.
- a) Godetia  
b) Gomphrena  
c) Gladiolus  
d) Geranium
- 9) *Rudbeckia fulgida* is also known as \_\_\_\_\_.
- a) African violet  
b) Rosemary  
c) Black-eyed Susan  
d) Azalea





21) Tropical flowers like birds –of- paradise, anthurium, ginger and orchids should be kept in a separate cooler set with \_\_\_\_\_ temperatures ( \_\_\_\_\_ ° to \_\_\_\_\_ °).

a) Cooler, 39°, 44°

b) Warmer, 61°, 66°

c) Warmer, 45°, 50°

d) Cooler, 57°, 60°

For the next 4 questions match the Common name with the scientific name of the Indoor flowering Plants.

a) Clivia miniata

b) Primula malacoides

c) Rhododendron

d) Pelargonium hortorum

22) Primrose \_\_\_\_\_

23) Azalea \_\_\_\_\_

24) Kafir Lily \_\_\_\_\_

25) Geranium \_\_\_\_\_

26) Corsages are most commonly worn on the \_\_\_\_\_.

a) left shoulder

b) right shoulder

c) left wrist

d) right wrist

27) Which one of the four plants listed below originated in the Mediterranean region?

a) *Mystus Communis*

b) *Monstera deliciosa*

c) *Maranta leuconeura*

d) *Magnolia grandiflora*

28) Name the plant that fits the following description. Long, round, hollow, leafless stems up to 4 feet long and  $\frac{1}{4}$  to  $\frac{1}{2}$  inch wide with furrowed ridges running the length of stem segments. Silica in ridges gives surface rough quality.

- a) *Euonymus japonica* (Euonymus)
- b) *Dracaena sanderana* (Ribbon Plant)
- c) *Equisetum hyemale* (Horsetail, Scouring Rush)
- d) *Eucalyptus pulverulenta* (Eucalyptus)

29) Name the plant that fits the following description. Twisting vine with bunches of bright orange berries, revealed when fruit dehisces ( bursts open).

- a) *Chamaecyparis lawsoniana* ( Port Orchard Cedar)
- b) *Camellia japonica* (Camellia)
- c) *Calocedrus decurrens* (Incense Cedar)
- d) *Celastrus scandens* (Bittersweet)

30) What is blue or violet in color; individual flowers shaped like a helmet or hood with a beak in front. Flowers arranged on a spike-like raceme while available in summer and fall.

- a) Monkshood
- b) Acacia, Mimosa
- c) Yarrow
- d) Lily-of-the-Nile, African Lily

31) The classical period of floral design from (28 BC – 325 AD) was the \_\_\_\_\_ period)

- a) Egyptian
- b) Greek
- c) Roman
- d) Byzantine



36) Through the development of the \_\_\_\_\_ style, Japanese flower arrangements evolved into the three-dimensional designs that were later adapted into Western floral arrangements.

- a) Rikkwa
- b) Nageire
- c) Jiyu-bana
- d) Ikenobo

37) In all arrangements when looking at the principles of design, the floral designer is striving for emphasis, balance, proportion, \_\_\_\_\_, \_\_\_\_\_ and unity.

- a) texture, color
- b) depth, height
- c) rhythm, harmony
- d) interest, desire

38) The use of negative spaces or voids within the arrangement is equally as important as sizes of flowers in creating a pleasing proportion.

- a) True
- b) False

39) An analogous color scheme is created by combining any three \_\_\_\_\_ found next to each other on the color wheel. The color scheme has a great emotional appeal because any three colors that lie next to each other on the color wheel were developed from a single primary color.

- a) shades
- b) tones
- c) tints
- d) hues

40) A monochromatic color scheme is created from flowers and foliage with the tints and shades of a single \_\_\_\_\_.

- a) value
- b) tone
- c) hue
- d) none of the above



- 41) Filler flowers add a finishing touch to an arrangement. The two types of filler flowers used in flower arrangements are \_\_\_\_\_ and \_\_\_\_\_.
- a) leather leaf, lemon leaf
  - b) bunch, feather
  - c) texture, fluffer leaf
  - d) depth, height
- 42) The temperature that benefits the majority of the flowers held by a florist is 35°-40° F \_\_\_\_\_ °C)
- a) 4°, 4.5°
  - b) 7°, 12°
  - c) 5°, 7.5°
  - d) 15°, 17°
- 43) The size of the wire is listed according to its gauge number. The higher the gauge number, the \_\_\_\_\_ wire.
- a) heavier
  - b) lighter
  - c) finer
  - d) none of the above
- 44) Several different types of grafting have been developed including \_\_\_\_\_, splice, side, \_\_\_\_\_, side-veneer, cleft, bark, and approach grafting.
- a) swirl (tongue), budding
  - b) whip (tongue), ring (annular)
  - c) T (shield), inverted T
  - d) whip (tongue), side-tongue
- 45) Soluble salts refer to the total dissolved ions in media water solutions. Soluble salts are measured by means of electrical conductivity (EC); the lesser the soluble salt concentration, the more easily an electrical current will pass through a medium water solution.
- a) True
  - b) False

46) \_\_\_\_\_ are/is the fiber of a palm tree used like string or ribbon to tie things together.

- a) Salal leaves
- b) Cornucopia
- c) Raffia
- d) none of the above

47) \_\_\_\_\_, commonly called \_\_\_\_\_ throughout the trade, is the traditional filler flower for mixed bouquets and arrangements.

- a) Gladiolus, gla
- b) Gloxinia, Glox
- c) Godetia, Gode
- d) Gypsophila, gyp

48) Sunflower is also known as \_\_\_\_\_.

- a) Helianthus
- b) Helichrysum
- c) Heliotropium
- d) Hemerocallis

49) Daylily also known as \_\_\_\_\_.

- a) Helianthus
- b) Helichrysum
- c) Heliotropium
- d) Hemerocallis

50) Amaryllis also known as \_\_\_\_\_.

- a) Hosta spp.
- b) Hippeastrum hybrids
- c) Hydrangea
- d) Hibiscus moscheutos/H. hybrids