

**2013 National FFA  
Floriculture Career Development Event**

**GENERAL KNOWLEDGE EXAM  
ANSWER SHEET**

- 1) A \_\_\_\_\_ is defined as having a \_\_\_\_\_ occurring, unique set of characteristics and is separated from other closely related species by location, flowering time, and so on.
- a) **plant species, naturally**                      b) commercial plant, unnatural  
c) root system, naturally                      d) plant species, fabricated
- 2) The unique characteristics of a species are usually transmitted to the next generation through \_\_\_\_\_ or \_\_\_\_\_.
- a) roots, bulbs                                      b) **seeds, soil**  
c) seeds, spores                                      d) spores, bulbs
- 3) Scarification is the only method of breaking through hard, water-impermeable seed coats to allow water to penetrate.
- a) True                                      b) **False**
- 4) Mineral soil is \_\_\_\_\_ to \_\_\_\_\_ times heavier than the other components used in growing media.
- a) 2, 3    b) 7, 49  
c) **10, 50**    d) 1, 10
- 5) One mold can harm your crop by preventing water from penetrating into the mix. This fungus is found in pine bark storage piles and has a gray threadlike structure (mycelium) that repels water.
- a) **True**                                      b) False





- 18)     b     : Symptoms can begin as incomplete formation of flower parts such as fewer petals, small petals, sudden wilting; or collapse of petals, and notches of tissue missing in flower stems, leaf petioles, or stems.
- 19)     d     : The margins of older leaves become necrotic with a characteristic reddish-brown color. Necrotic spots may also develop across the leaf blade but tend to be concentrated at the margins.
- 20)     a     : Young leaves develop interveinal chlorosis, however, the tips and lobes of these leaves may remain green. Next, the youngest fully expanded leaves rapidly become necrotic. The sudden death of these leaves resembles desiccation.
- 21) For most floriculture crops, the average daily temperature (ADT) primarily controls flowering.
- a) **True – for temperatures maintained within the broad optimum temperatures range of 50°-85°F (10°-20°C)**
- b) True – for temperatures maintained within the broad optimum temperatures range of 29°-49°F (30°-49°C)
- c) True – for temperatures maintained within the broad optimum temperatures range of 85°-100°F (10°-29°C)
- d) False
- 22) The ADT formula is:
- a)  $ADT = (\text{day temperature} \times \text{hours}) + (\text{night temperatures} \times \text{hours}) + 12$
- b)  $ADT = (\text{day temperature} - \text{hours}) \times (\text{night temperatures} + \text{hours}) \div 24$
- c)  $ADT = (\text{day temperature} \times \text{hours}) - (\text{night temperatures} \times \text{hours}) \times 12$
- d)  **$ADT = (\text{day temperature} \times \text{hours}) + (\text{night temperatures} \times \text{hours}) + 24$**
- 23) During photosynthesis, plants take water (H<sub>2</sub>O) from the soil, carbon dioxide (CO<sub>2</sub>) from the air, and energy contained in sunlight to create sugars that can be moved within the plant to provide fuel for growth.
- a) **True**                      b) False





- 37) An S-shaped line mass design is a \_\_\_\_\_ curve.
- a) crescent
  - b) oval
  - c) naturalistic
  - d) **Hogarth**
- 38) The combination method employs a chenille stem inserted into the \_\_\_\_\_-inch stem of the flower.
- a) 2
  - b)  $\frac{1}{2}$
  - c) 1
  - d) 4
- 39) A \_\_\_\_\_ is an area located in the lower half of the design that ties or visually pulls an arrangement together.
- a) **center of interest**
  - b) candelabra design
  - c) conical centerpiece
  - d) calyx
- 40) The cornucopia, or horn of plenty, has been used for centuries as a symbol of \_\_\_\_\_.
- a) fruitfulness
  - b) **abundance**
  - c) distinction
  - d) love
- 41) Unity is lacking when the arrangement cannot be divided into separate parts.
- a) True
  - b) **False**
- 42) The size of flower stem wire is listed according to its gauge number. The higher the gauge number, the finer the wire.
- a) **True**
  - b) False
- 43) An equilateral triangle-shaped arrangement will be as \_\_\_\_\_ as it is \_\_\_\_\_.
- a) round, tall
  - b) round, wide
  - c) **tall, wide**
  - d) short, round





50) \_\_\_\_\_ is the ancient Japanese floral style created by the Buddhist priest Senchin. These designs were constructed in an asymmetrical style in low, flat containers.

a) Shokwa

b) Soe

c) Rikkwa

d) Tai

***Good Luck and Have Fun!!!!***

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REFERENCE SHEET**

1. Floriculture Principles and Species; p. 3
2. Floriculture Principles and Species; p. 3
3. Floriculture Principles and Species; p. 6
4. Ball Redbook Crop Production, Vol. 2; p. 20
5. Ball Redbook Crop Production, Vol. 2; p. 25
6. Ball Redbook Crop Production, Vol. 2; p. 25
7. Ball Redbook Crop Production, Vol. 2; p. 92
8. Floriculture Principles and Species; p. 162
9. Floriculture Principles and Species; p. 173
10. Floriculture Principles and Species; p. 163
11. Floriculture Principles and Species; p. 163
12. Floriculture Principles and Species; p. 188
13. Floriculture Principles and Species; p. 261
14. Ball Redbook Crop Production, Vol. 2; p. 574
15. Ball Redbook Crop Production, Vol. 2; p. 492
16. Ball Redbook Crop Production, Vol. 2; p. 493
17. Ball Redbook Crop Production, Vol. 2; p. 37
18. Ball Redbook Crop Production, Vol. 2; p. 37
19. Ball Redbook Crop Production, Vol. 2; p. 37
20. Ball Redbook Crop Production, Vol. 2; p. 37
21. Ball Redbook Crop Production, Vol. 2; p. 68
22. Ball Redbook Crop Production, Vol. 2; p. 68
23. Ball Redbook Crop Production, Vol. 2; p.
24. Floriculture Principles and Species; p. 176
25. Floriculture Principles and Species; p. 184
26. Floriculture Principles and Species; p. 261
27. Floriculture Principles and Species; p. 262
28. Ball Redbook Crop Production, Vol. 2; p. 574
29. Ball Redbook Crop Production, Vol. 2; p. 493
30. Ball Redbook Crop Production, Vol. 2; p. 492
31. Ball Redbook Crop Production, Vol. 2; p. 492
32. Ball Redbook Crop Production, Vol. 2; p. 91
33. Ball Redbook Crop Production, Vol. 2; p. 91
34. Ball Redbook Crop Production, Vol. 2; p. 575
35. Floral Design and Interior Landscape Management; p. 196
36. Floral Design and Interior Landscape Management; p. 199
37. Floral Design and Interior Landscape Management; p. 167
38. Floral Design and Interior Landscape Management; p. 122
39. Floral Design and Interior Landscape Management; p. 339
40. Floral Designs and Arrangements, 3rd Ed.; p. 5
41. Floral Designs and Arrangements, 3rd Ed.; p. 26
42. Floral Designs and Arrangements, 3rd Ed.; p. 19
43. Floral Designs and Arrangements, 3rd Ed.; p. 89
44. Floral Designs and Arrangements, 3rd Ed.; p. 91
45. Floral Designs and Arrangements, 3rd Ed.; p. 95
46. Floral Designs and Arrangements, 3rd Ed.; p. 230
47. Ball Redbook Crop Production, Vol. 2; p. 575
48. Floral Designs and Arrangements, 3rd Ed.; p. 47
49. Floral Designs and Arrangements, 3rd Ed.; p. 284
50. Floral Designs and Arrangements, 3rd Ed.; p. 284