## Floriculture General Knowledge Exam 2024 SMSU Ag Bowl Scholarship Invitational



1	_ is a rigid greenhouse covering that is made of double layers, has
high light transmission, is fla	ame retardant, and has the strongest resistance to breakage.
a. Polyethylene	
b. Fiberglass	
c. Polycarbonate	
d. Glass	
2. Fungus diseases are sprea	ad by small seed-like structures called
a. spores	
b roots	
c. pollen	
d. nematodes	
	is made up of 4 total colors, the two colors on each side of a
complimentary color on the	color wheel.
a. Complementary	
b. Split-complementary	
c. Double split-complement	ary
d. Polychromatic or tetrad	
4. Where is a floral arranger	ment should light-colored flowers be placed?
a. near the top or outside ed	dges of the flower arrangement
b. near the center of the flo	wer arrangement
c. towards the bottom of the	e flower arrangement
d. light-colored flowers shou	uld not be used as a rule.
5. These insects are identified	ed by the cottony material found on stems and along leaf veins.
a. aphids	
b. mealybugs	
c. spider mites	
d. whiteflies	
6. Your foliage plants are fac	cing a pest problem. The buds, flowers, and tender new growth are
pitted or stunted. Tiny insec	ts are often invisible. A sticky fluid secreted by the insects provides a

medium for the growth of sooty mold and attracts ants. The most likely candidates are:

- a. spider mites
- b. aphids
- c. mealybugs
- d. snails and slugs



7. Cut carnations are classified into two groups: a. floral and greenhouses
b. standards and miniatures
c premium and discount
d. none of the above
8. A process used by growers to produce well-branched, compact plants with many flowers is called?
a. stunting
b. compacting
c. pinching
d. potting
9. There are three basic types of pots that are commonly used in the greenhouse industry. Which of the following is not one of the basic types?
a. designer pot
b. standard pot c. azalea pot
d. bulb pot or pan
a. balb pot or pari
10. There are three primary ways that heat is lost in a greenhouse. Which of the following is not
correct?
a. air leakage b. solarization
c. conduction
d. radiation
11. Pot mums in 6-inch pots should average flowering shoots per pot.
a. 5 to 10 b. 20 to 30
c. 60 to 80 d. 80 to 100
u. 80 to 100
12. A greenhouse producer of young seedlings for shipping for finishing by others is referred to
as a producer.
a. finisher
b. seed
c. plug
d. knot



- 13. The advantage of single-eye (leaf-bud) cuttings is that: a. they produce flowers more quickly b. they grow faster than stem cuttings c. they are less likely to become infected with diseases d. from the same amount of propagation material, they give more plants 14. Which of the following is not a part of the pistil of a flower? a. stigma b style c. anther d. ovary 15. After removing bedding plants from the greenhouse they should be before planting outside. a. pruned b. fertilized c. hardened off d. pinched 16. Which of the following plant pairs require long night (short day) conditions for flowering? a. Azalea and Rose b. Carnation and Poinsettia c. Poinsettia and Chrysanthemum d. Chrysanthemum and Azalea 17. Leaf petiole cuttings can be used to propagate: a. Marigolds b. Chrysanthemums c. Boston Ferns d. African Violets 18. A method of applying pesticides to plants that can be effectively used in greenhouses, but not outdoors is: a. spraying
- 19. The acceleration of flowering by manipulation of environmental conditions is known as:
- a. pulsing

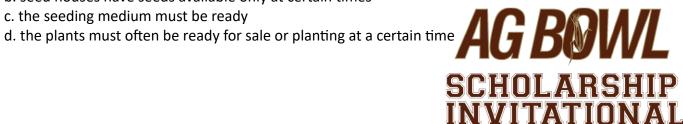
b. fumigationc. dusting

d. soil drenching

- b. forcing
- c. leaching
- d. after-ripening



- 20. What is the proper term to describe the cold treatment, which lasts several weeks and precedes the initiation of flower buds?
- a. pot cooling
- b vernalization
- c. case cooling
- d. CTF cooling
- 21. New businesses should realize that is usually requires for the business to show a profit and owners should plan accordingly.
- a. 3 to 5 months
- b. 1 to 3 years
- c. 15 to 24 months
- d. 3 to 5 years
- 22. Lime furnishes the plant food element
- a. nitrogen
- b. phosphorus
- c. potash
- d. calcium
- 23. Potassium causes plants to
- a. produce more flowers and seeds
- b. resist disease and develop strong roots
- c. grow much larger than they would otherwise
- d. grow rapidly and develop a dark green color
- 24. A soil having equal parts of sand, silt, and clay is called
- a. an aggregate
- b. a mixture
- c. a loam
- d. sandy
- 25. Nitrogen causes plants to
- a. produce more flowers and seeds
- b. resist disease and develop strong roots
- c. harden off more rapidly
- d. grown rapidly and develop a dark green color
- 26. The date to start seeds is very important because
- a. there must be greenhouse space made available for them
- b. seed houses have seeds available only at certain times



27. Which two of the following materials are mixed in the seeding medium to give good
drainage and aeration?
a manak manana anak wa masi awilika

- a. peat moss and vermiculite
- b. sand and sphagnum moss
- c. sand and perlite
- d. perlite and peat moss
- 28. The best answer for soil temperature on average for germinating seeds is?
- a. 50 to 60 degrees F
- b. 65 to 70 degrees F
- c. 75 to 80 degrees F
- d. 80 to 90 degrees F
- 29. When two separate parent plants are involved in the pollination process, it is known as
- a. self-pollination
- b. cross-pollination
- c. bisexual pollination
- d. asexual pollination
- 30. Seeds are composed of the
- a. seed coat, endosperm, and embryonic plant
- b. seed coat, root, and stem
- c. eye starch, and seed coat
- d. root system, starch coat, and seed coat
- 31. Producing plants from seed is a type of propagation.
- a. asexual
- b. bisexual
- c. sexual
- d. unsexual
- 32. Pores in epidermal cells that open to allow for gas exchange and control water loss.
- a. samara
- b. stomata
- c. pome
- d. guard cells
- 33. What are the parts of a cell that drive the process of respiration and energy transfer?
- a. Golgi bodies
- b. mitochondria
- c. endoplasmic reticulum (ER)
- d. ribonucleic acid (RNA)



- 34. The basic unit of a plant that contains many different organelles that drive plant processes.
- a. mitochondria
- b. heterotroph c. cell
- d. indehiscent
- 35. The thin stalk in the stamen of a flower that supports the anthers.
- a. stomata
- b. pith
- c. filament
- d. nodes
- 36. The release of water through plant leaves, which then evaporates and helps cool the air.
- a. transpiration
- b. evapotranspiration
- c. photosynthesis
- d. propagation
- 37. The science, cultivation, processing, storage, and marketing of herbs and vegetables.
- a. botanist
- b. olericulture
- c. horticulturist
- d. viticulturist
- 38. The cooling, cleaning, sorting, storing, packing, and shipping of produce, flowers, and other plant materials.
- a. postharvest
- b. pomology
- c. locavore
- d. bramble
- 39. The portion of the horticulture industry that cultivates and arranges outdoor plant materials to create spaces that are inviting, beautiful, and useful to people and the ecosystem.
- a. silviculture
- b. locavore
- c. interior scaping
- d. nursery and landscape
- 40. A hormone produced and emitted in varying quantities by fruits and vegetables and by decaying plant materials.
- a. ethylene
- b. locavore
- c. methane
- d. geocarpy



	of the floral arrangement repeats throughout the design to relate t	
b. Repetition – same ¡ c. Repetition – parts t	o one another and to the whole.  Dearts to the surroundings of the design or setting.  The theme of the venue.  The none of the parts in the design as a whole.	
such as the size of the	ntainer, vase, or may depend on physical fact bouquet, the size of the flowers, the mood and color for a design, nd the placement for a bouquet.	ors the
43. Citric acid treatmeroses and gerberas. a. Hardening b. Dry Packed c. Bent Neck d. Pulsing	ent speeds the intake of water, helping to prevent	_ in
	of respiration oss	
45a. Cytokinins b. Carotenoids c. Chlorophyll d. Photosynthesis	is the green pigment found in plant cells, prominent in leaves and	stems
46. Agravity. a. Tropism b. Photosynthesis c. Transpiration	_ is a growth curvature caused by some external stimulus such as I	

d. Hormones



	n a single	(the broad flattened part of a leaf) is a simple leaf.
a. Leaflets		
b. Stipules		
c. Blade		
d. Petiole		
48. Which col	or is considered ac	hromatic?
a. Blue		
b. Yellow		
c. Red		
d. White		
	-	ne height, width, and depth of designs based on an and application. This requires a good understanding of
a. Texture	<del></del> '	
b. Proportion		
c. Line		
d. Harmony		
50.	flowers are close	d-form, single flowers that have a dense, rounded shape
a. Live	_	
b. Line		
c. Mass		
d. Form		

