STATE FFA FLORICULTURE CONTEST General Knowledge Section 1996

Directions: Select the best answer for each question and mark your selection on the separate answer sheet provided. Using a #2 pencil, black out completely the letter on the answer sheet that corresponds to the best answer for each item.

1.	Root systems in plants are classified as either tap of A. crown B. vertical	r C.	fibrous	D.	lateral		
2.	The main function of plant leaves is: A. carbohydrate production. C. evaporation.		regeneration. oxidation.				
3.	Ferns are different from most horticultural crops be A. flowers. B. fruit.		they reproduce from: seed.	D.	spores.		
4.	Photoperiodism is a plant response to: A. day length. C. gases from greenhouse heaters.		cool temperatures. warm temperatures.				
5.	The number 8 in a 12-4-8 fertilizer represents: A. calcium. B. nitrogen.	C.	phosphorus.	D.	potassium.		
6.	The range of the pH scale is: A. 1 to 7. B. 1 to 14.	C.	7 to 1 4.	D.	not limited		
7.	The main disadvantage of producing plants from se A. cross-pollination often produces seedling varia B. many homeowners can do it. C. pretreatment takes too long. D. storage is difficult.		that:				
8.	African violets are usually propagated by: A. air layering. B. budding.	C.	stem cuttings.	D.	leaf petiole cuttings.		
9.	Seedlings are hardened off by: A. moving them to a warmer house. B. increasing fertilization and watering. C. reducing water and using cooler temperatures. D. placing them in heavy shade.						
10.	Water hose ends should be kept off the ground or fl A. hose rot. C. spread of disease.	В.	prevent: backflow. wet bed areas.				
11.	What is the main advantage of raised beds? A. Irrigation requirements are reduced. C. Raised beds have better drainage.		Fertilization needs are The beds have better				
12.	General purpose fertilizers must be applied: A. less often than slow release fertilizer. B. more frequently than slow release fertilizers. C. at the same rate and frequency as slow release fertilizer. D. earlier in the Spring and later in the Fall than slow release fertilizers.						
13.	In one stage of complete metamorphosis the insect does not feed and is primarily inactive. This stage is the stage.						
	A. maggot B. larva	C.	nymph	D.	pupa		
14.	Which is commonly used for a cut flower? A. Alstroemeria B. Geranium	C.	Begonia	D.	Pansy		
15.	Aluminum foil collars are often used on tomato and A. cutworms. B. flea beetles.		er plants in the garden verticillium wilt.		rotect them from: wire worms.		

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16.	Bacillus thuringiensis is: A. a bacterial insecticide B. a plant that resemble C. a chemical insecticid D. one of the first landse	s cornuta hollies. e.	ırough bio	otechnology.		
17.	A molluscide is a pesticio A. bacteria.	le used for the control of B. nematodes.		slugs.	D.	weeds.
18.	Fumigant pesticides are in A. gas	n a form. B. liquid	C.	powder	D.	solid
19.	One reason pests develop A. many pests that are n B. pesticides kill all pes C. pesticides selectively D. repeated pesticide ap	not treated survive and reach application with each application will the most sensitive	nultiply. 1. pests.	e.		
20.	Which signal word on a p A. Caution	pesticide label indicates B. Danger		hazardous material? VERY Hazardous	D.	Warning
21.	House plants that can sur A. 5-10 foot candles. C. 1000-5000 foot cand		В.	require a minimum of 50-100 foot candles. 5000-9000 foot cand		
22.	With potted plants, the prindicates: A. fungus growth. B. a mealybug infestation C. excessively drained so D. salt buildup.	on.	y film on	the soil surface or pot	t rim	(especially on clay pots)
23.	Weeping fig (<i>Ficus benja</i> its leaves because of: A. high humidity. C. improper acclimatiza	B. lo	From a higow tempenoist heat	rature.	to an	interior room will often drop
24.	Which of the flowers liste A. Begonia	ed is <u>least</u> shade toleran B. Coleus		Impatiens	D.	Marigold
25.	Proper maintenance of m. A. deep cultivation once B. very little fertilizatio C. dead-heading. D. pruning of lateral flo	e per month. n.	eds includ	les:		
26.	Saving vegetable seed from A. di-hybrid crossed pla C. open-pollinated varies	ints.	В.	nded only for: hybrid varieties. hybrid tomatoes and	swee	et corn.
27.	Which month would you A. November	most likely pot poinset B. July		gs to produce a saleab May		op in 6" pots? September
28.	Which of the following is A. Customers should all B. If a salesperson is go C. When making chang D. All of the above.	ways be greeted right avoid, appearance does no	way. ot matter.		t.	
29.	A commercial fertilizer w A. 4-12-8.	vith a 3:1:2 ratio is: B. 8-4-12.	C.	12-4-8.	D.	14-4-8.
30.	Which soil absorbs water A. clay	the slowest? B. loam	C.	sand	D.	sandy loam

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31.	To ma			, what product would lime	you a C.	apply? phosphorus	D.	sulphur
32.	A. th B. th C. th	ey to developing an one systematic use of slow he regular use of slow he systematic monito weekly pesticide appl	pestion v-reloring	cides. ease pesticides. of pest populations.	anage	ement program (IPM)	is:	
33.	The _A. fl	of hydr	ange: B.	as can be changed by of flower size	chang C.	ging the pH of the soil plant shape	D.	leaf texture
34.	A. b B. p C. d	common plant disea acterial leaf spots an ythium root rot and I amping off and scale nycelial fragments.	d mo owd					
35.	A. w B. k C. tr	emergence herbicide yorks by killing the wills weed seed as the canslocates through the sprayed onto the form	veed= y ger he ro	minate. ots to the foliage.				
36.				les of design used in f proportion.		design EXCEPT: rhythm.	D.	cycle.
37.	Which	h of the following imand	prov B.	es soil drainage and ac perlite		on? vermiculite	D.	all the above
38.	A 50 A. 2		5 con B.	tains pounds of 5	nitro C.		D.	30
39.	A. 1	h of the following so part bleach to 1 part part bleach to 10 pa	wate	ns is best to disinfect u er ater	В.	pots? 1 part bleach to 3 part 2 parts bleach to 1 par	s wa rt wa	iter iter
40.	A. a	eft from dead and dis djusted for pH. llowed to dry out.	ease	d plants should be:		discarded. remixed.		
41.				ls is considered sexual T-budding			D.	seed planting
42.	Which			led to improve rooting herbaceous		woody	D.	leaf petiole
43.	A. a	should you apply m t harvest efore propagation	ost fe	ertilizer?		at blooming time during vegetative gro	wth	
44.		h is a worm-like pest Iealybugs		attacks plant roots? Mites	C.	Nematodes	D.	Aphids
45.		is the best rooting mround bark		m to use for air layerir peat	ng? C.	soil	D.	sphagnum moss
46.	How a	•	here B.	in a cubic yard of soil 6		9	D.	27
47.	water	do you call a mechaiing plants? pplicator		device which introduc Audiometer		concentrated fertilizer Proportioner		ntion into the pipeline used for Pump

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48.	Which of the following is NOT required on a job application?							
	A. religion	B. educational background						
	C. employment history	D. references						
49.	Gladiolus are:							
	A. seldom used by florists.							
	B. used as line flowers in floral designs.							
	C. come in two colors.							
	D. used as filler flowers in floral designs.							
50.	A pollen grain moves first from the anther to the	to begin its journey to the ovary for fertilization.						
	A. stigma B. cambium	C. sepal D. serge						