Post of Forest Apprentice in Tamil Nadu Forest Subordinate Service (Group-VI Services)

1.	Met	shod of Hydroponics were first	exper	imente	d by		
	(A)	Knop	(P)	Sachs			
	(C)	Arnon	(D)	Hill			
	(E)	Answer not known					
2.	Diet	titians recommends	_g of	vegetal	ble per day		
	(A)	150	(B)	200			
	(C)	2 300	(D)	500			
	(E)	Answer not known					
3.		main commercial varieties of ditions under vegetable forcing			crop is grov	vn in protec	ted
	(A)	Tomato	(B)	Bitter	guard		
	(C)	Coriander	(D)	Brinja	l		
	(E)	Answer not known					
4.		e element which acts as ca ticulture crops	atalys	st in o	chlorophyll	formation	in
	(A)	Magnesium	(B)	Zinc			
	(C)	Iron	(D)	Manga	ınese		
	(E)	Answer not known					
5.	Bier	nnial bearing in horticultural c	rop n	neans			
	(A)	•					
	(B)						
	(C)	Production of crop through or	ut the	year			
	(D)	None of the above					
	(E)	Answer not known					

6.	. In drip irrigation the water saving achieved is about		
	(A) 5%	(B) 10%	
	(C) 20%	(D) 30%	
	(E) Answer not known		
7.	Tomato is a typical ————————————————————————————————————	ant	
	(A) Long day	(B) Short day	
	(C) Day neutral	(D) Photoinsensitive	
	(E) Answer not known		
0	The decidence for its and decidence.		
8.	The deciduous fruits produce new		
	(A) Summer	(B) Winter	
	(C) Autumn	(D) Spring	
	(E) Answer not known		
9.	———is a non climatic fruit		
	(A) Acid lime	(B) Mango	
	(C) Sapota	(D) Papaya	
	(E) Answer not known		
10.	In Cucurbits, short day conditions flowers	s favours the production of —————	
	(A) Female	(B) Bisexual	
	(C) Male	(D) Hermaprodite	
	(E) Answer not known		
11	The sustantial arrangtum animation	rate in avid and comiavid gang is	
11.	The potential evopotranspiration		
	(A) 2 mm/day	(B) 4 mm/day	
	(C) 6 mm/day	(D) 7 mm/day	
	(E) Answer not known		
Hort	iculture	4	

12.	The	The contribution of horticultural crops to national income is					
	(A)	13%	(B)	15%			
	(C)	28%	(D)	32%			
	(E)	Answer not known					
13.		production of mangeis unique for Tamil Na		d round the year production of			
	(A)	Offseason, grapes	(B)	Round the year, mango			
	(C)	Twice, Banana	(D)	Cold season, Guava			
	(E)	Answer not known					
14.		and are ounting for over 81% of the total		eading fruit crops in Tamil Nadu it production			
	(A)	Grapes and Citrus		Mango and Banana			
	(C)	Sapota and Papaya	(D)	Guava and Orange			
	(E)	Answer not known					
15.		centre of Excellence in Traditional Control of T.N					
	(A)	Theni	(B)	Periyakulam			
	(C)	Dindigul	(D)	Madurai			
	(E)	Answer not known					
16.		ducing some special crops in r ket is known as	elati	vely larger quantities for distant			
	(A)	Market garden	(B)	Truck garden			
	(C)	Kitchen garden	(D)	Vegetable forcing			
	(E)	Answer not known					

17.	Among the following fruits, which one is Vitamin 'C' rich fruit				
	(A)	Mango	(B) Lime		
	(C)	Aonla	(D) Grapes		
	(E)	Answer not known			
18.	The	major importer of floriculture	<u> </u>		
	(A)	United Arab Emirates	(R) USA		
	(C)	Russia	(D) United Kingdom		
	(E)	Answer not known			
19.		country is known as la	and of spices		
	(A)	Africa	(B) India		
	(C)	America	(D) China		
	(E)	Answer not known			
20.		is the naturally availal	ble auxin in the plant system		
	(X)	IAA	(B) IBA		
	(C)	NAA	(D) 2,4–D		
	(E)	Answer not known			
21.	Ripe	ening of Sapota can be enhan ——plant growth regulato	ced by treating the matured fruits in		
	(A)	Cytokinin @ 200 ppm	(B) GA @ 400 ppm		
	(C)	NAA @ 800 ppm	Ethrel @ 5000 ppm		
	(E)	Answer not known			

22.	Dormancy in leguminous plants occur due to					
	(A)	Impermeability of seed coat to	wat	er		
	(B)	Impermeability of seed coat to	oxy	gen		
	(C)	Immature embryo				
	(D)	Immature cotyledons				
	(E)	Answer not known				
23.		damom seeds when presoaked rded improved germination	for	10 minutes in 50% ————		
	(A)	Citric acid	(B)	Sulphuric acid		
	(C)	Nitric acid	(D)	Hydrochloric acid ·		
	(E)	Answer not known				
24.		——— is very effective in redu	ıcing	g the drop of fruits in pome fruits		
	(A)	GA_3	(P)	NAA		
	(C)	Zeatin	(D)	Kinetin		
	(E)	Answer not known				
25.	The	commonly known gibberellin is				
	(4)	ullet GA $_3$	(B)	GA_5		
	(C)	GA_7	(D)	GA_2		
	(E)	Answer not known				
26.	The	timing of leaf abscission is regu	ılate	ed by the interaction of		
	(4)	Ethylene and Auxin	(B)	Auxin and Cytokinin		
	(C)	Gibberellin and Auxin	(D)	Gibberellin and Cytokinin		
	(E)	Answer not known		-		

27.	Non-Lecurrent Abominis is common in					
	(A)	Solanum tuberosum	(B)	Solanum Xanthocarpum		
	(6)	Solanum nigrum	(D)	Solanum Melongena		
	(E)	Answer not known				
28.	Flow	vering dependent upon cold tre	atme	ent is called		
	(A)	Cryotrophy	(B)	Thermotrophy		
	(C)	Cryscopy		Vernalization		
	(E)	Answer not known				
29.		branch of botany in which, ission is	dea	ls with ageing, senescence and		
	(A)	Phytogerntology	(B)	Phytomorphology		
	(C)	Phytosociology	(D)	Phytomorphogenesis		
	(E)	Answer not known				
30.		ability of the plants to mature e other flower (or) plants is kno		it without the aid of pollen from		
	(A)	Unfruitfulness	(B)	Self incompatibility		
	(C)	Self fruitfulness	(D)	Unfruitful		
	(E)	Answer not known				
31.		which crop fruit buds borne ts with flower clusters in the le		eally unfolding to produce leafy		
	(A)	Jack Fruit	(B)	Guava		
	(C)	Grapes	(D)	Avacado		
	(E)	Answer not known				

32. ——— is an active form of phytochrome			arome	
	(A)	Phytochrome red	(B)	Phytochrome Green
	(C)	Phytochrome far Red	(D)	Phytochrome far Green
	(E)	Answer not known		•
33.	Iden	ntify the type of parthenocarpy	prese	ent in banana
	(A)	Stimulative parthenocarpy		
	(B)	Stenospermocarpy		
	(G)	Vegetative parthenocarpy		
	(D)	Generative parthenocarpy		
	(E)	Answer not known	•	
34.		le, grape and strawberry are i pigment	impai	rted the characteristic colours by
	(A)	Carotenoids	(B)	Flavanoids
	(C)	Lycopene		Anthocyanins
	(E)	Answer not known		
35.	Min	ute Pollengrains in flowers are	e polli	inated by
	(A)	Humans	(B)	Anthers
		Insects	(D)	Wind
	(E)	Answer not known		
36.	of pe	- -		ens combined with the spreading nectar without touching the pistil
	(A)	Peach	(B)	Avocado
	(C)	Pear	(D)	Apple
	(E)	Answer not known		

37.	During growth and development, if a plant, cannot produce flower, regardless of the environmental conditions imposed on it, then it is said to be in phase						
	(A)	Dormancy	(B)	Apomixis			
	(C)	Juvenile	(D)	Quiescence			
	(E)	Answer not known					
38.	Whi	ch crop is small fruited decidud	ous w	roody plant?			
	(A)	West Indian cherry	(B)	Raspberry			
	(C)	Surinam cherry	(D)	Singapore cherry			
•	(E)	Answer not known ·		•			
39.	Whe	en the stamens mature first tha	an th	e ovary in a plant, it is called as			
	(A)	Protogyny	(B)	Protoandry			
	(C)	Chasmogamy	(D)	Homogamy			
	(E)	Answer not known					
40.	This	s is not commercially propagate	ed th	rough tissue culture			
	(A)	Orchids	(B)	Anthuriams			
	(8)	Roses	(D)	Begonias			
	(E)	Answer not known					
41.	The	rooting of cuttings enhanced w	ith r	nist chamber due to			
	(A)	(A) Continuous mishing with high temperature					
	(B)	Continuous mishing with low	tem	perature			
		Intermittent mist with high h	umi	dity and high temperature			
	(D)	Intermittent mist with high h	umi	dity and low temperature			
	(E)	Answer not known					

42.	Tub	ercles are produced in ———	crop	
	(1)	Dioscorea bulbifera	(B) <u>Dioscorea alata</u>	
	(C)	<u>Dioscorea</u> rotundata	(D) <u>Dioscorea</u> <u>esculenta</u>	
	(E)	Answer not known		
43.		is a Witt resistant roo	_	
	(A)	Psidium guajava	(R) Psidium friedrichsthalianum	<u>t</u>
	(C)	Psidium Cattleianum	(D) <u>Psidium</u> <u>Fulvum</u>	
	(E)	Answer not known		
44.	The	root cutting is commercially j	oracticed in	
	(A)	Jack fruit	(B) Bread fruit	
	(C)	Mandarin	(D) Grapes	
	(E)	Answer not known		
45.	Mou	and layering is otherwise calle	d as	
	(A)	Compound layering	(B) Stooling	
	(C)	Tip layering	(D) Serpentine layering	
	(E)	Answer not known		
46.	In <u>fried</u>	guava varieties grafted drichsthalianum) are resistan	8 —	<u>ium</u>
	(A)	Drought	(B) Salinity	
	(C)	Wilt and nematodes	(D) Nematodes	•
	(E)	Answer not known		

47.	have		s roots become thickened and they do cture of roots but lack nodes and
	(A)	Tuber	Tuberous roots
	(C)	Rhizome	(D) Corm
	(E)	Answer not known	
48.	Dela	ayed incompatibility was obs	erved when sapota was grafted on
	(A)	Pala	(B) Wood apple
	(C)	Bassia longifolia .	(D) Bael.
	(E)	Answer not known	
49.	Dor	mancy in seed is not due to	
	(A)	Seed coat	(B) Dryness of seed
	(C)	Chemical inhibitors	(D) Rudimentary embryas
	(E)	Answer not known	
50.		*	on in which sexual organs of related formed without the union of gametes
	(A)	Vivipary	(B) Parthenocarpy
	(C)	Parthenogenesis	(N) Apominis
	(E)	Answer not known	`
51.	Cho	ose the crop in which clonal ro	ot stock used for grafting
	(A)	Orange	(R) Pear
	(C)	Cashew	(D) Sapota
	(E)	Answer not known	

52.	The	The Nutrient essentiality for plants can be tested by						
	(4)	Nutrient culture technique						
	(B)	(B) Hydro ponic culture technique						
	(C)	(C) Hydra phobic culture technique						
	(D)	Aero ponic culture technique						
	(E)	Answer not known						
53.	Rud	limentary embryos are found in	. ———	seed				
	(A)	Onion	(B)	Carrot				
	(G)	Orchids	(D)	Mucuna				
•	(E)	Answer not known		•				
54.	After fertilization, the seed has developed from							
	(A)	Ovary	(B)	Ovule				
	(C)	Integuments	(D)	Polar nuclei				
	(E)	Answer not known						
55.	The	term 'Thali' is nothing but						
	(A)	Plastic trays	(B)	Seed pan				
	(C)	Fibre pots	(D)	Earthen pots				
	(E)	Answer not known						
56.	agai	is a chemical substance used for soil sterilization effective against pest and diseases						
	(A)	Ethylene	(B)	Acetylene				
	(0)	Formaldehyde	(D)	Propane				
	(E)	Answer not known						

57.	This is not a method of heating system practiced in hot beds						
	(1)	Mulching	(B)	Manure			
	(C)	Hot water	(D)	Electricity			
	(E)	Answer not known					
58.		9	n mo	other bed and vegetative plant			
		pagation media in nursery					
	(4)	Sand	(B)	Soil			
	(C)	Sphagnum mass	(D)	Vermiculite			
	(E)	Answer not known					
59.	Carl	bon dioxide enrichment in gree	n ho	uses is done at			
	(A)	500–550 ppm	(B)	10–100 ppm			
	(8)	1000–2400 pmm	(D)	1–5 ppm			
	(E)	Answer not known					
60.	Frui	it thinning plant growth regula	tor i	s			
		NAA	(B)	BA			
	(C)	GA	(D)	CK			
	(E)	Answer not known					
61.	grov			nich the main stem is allowed to d the leader stem is pruned to			
	(A)	Head system	(B)	Modified leader			
		Open centre	(D)	Central leader			
	(E)	Answer not known					

62.			f the f on crop		ng pairs are	e sets	0	f an orchard crop and a good				
	(A)	Ma	ngo an	d Pipa	lamool	(B)	В	er and Coffee				
	(C)	Sap	ota an	d Suga	ircane	(D)	B	anana and Turmeric				
	(E)	Ans	swer no	ot knov	vn							
63.		The partial ringing of a branches below a dormant bud to increase the flowering shoots is										
	(A)	Nic	king			(B)	S	mudging				
-	(C)	Ber	nding			(D)	T	hinning				
•	(E)	Ans	swer no	ot knov	vn .							
64.	Ma	tch th	ne follo	wing:								
	(a)	Inflo	rescen	ce wit	nout leaves	1	•	Last week of November				
	(b)	Flow	ver clus	ster in	leaf axil	2		Mango				
	(c)	Flow	ver bud	ls on o	d trunk	3	•	Jack fruit				
	(d)	Prur	ning in	Jasmi	ne	4	•	Guava				
		(a)	(b)	(c)	(d)							
	(A)	1	2	3	4							
	(B)	2	4	3	1							
	(C)	2	3	4	1							
	(D)	1	3	4	2							
	(E)	Ans	swer no	ot knov	vn							
65.			is a	a fruit	crop which i	s mor	e s	ensitive to water logging				
	(A)	Pap	aya			(B)	В	anana				
	(C)	Stra	awberr	у		(D)	В	er				
	(E)	Ans	wer no	ot knov	vn							

66.		way of keeping the orchard la er vegetation is known as	and a	always free from grasses (or) any								
	(X)	Clean culture	(B)	Sod								
	(C)	Sod culture	(D)	Cover cropping								
	(E)	Answer not known										
67.	Choose compatible fertilizer for fertigation											
	(A)	Urea and potassium nitrate										
	(B)	Ammonium sulphate and Pot	assi	um chloride								
	(C)	Calcium nitrate and Phosphates										
	(D)	Phosphoric acid and ferrous s	ulph	ate								
	(E)	Answer not known										
68.	Rea	Read the following statements and answer										
	I.	Basic slag is a by-product of steel factory										
	II.	Rock phosphate is not suit manure	able	for reinforcing the farm yard								
	(A)	Both are correct	(B)	Both are wrong								
	(C)	I is wrong and II is correct	(D)	I is correct and II is wrong								
	(E)	Answer not known										
69.	Iron	Iron deficiency in plants is characterized by										
	(A)	Interveinal chlorosis of older leaves										
	(B)	Little leaf										
		Yellowing of new leaf										
	(D)	Mottling of leaf										
	(E)	Answer not known										

70. In Banana cv Rasthali, disorder characterised by pinkish bropulp is known as												
	(A)	Hard lump	(B)	Soft lump								
	(C)	Kottai vazhai	(D)	Neer vazhai								
	(E)	Answer not known										
71.	Cho	ose the secondary nu	trients from th	e following								
	(A) Iron, Zinc, Manganese											
	(B) Copper, Boron, Molybdenum											
	(C) Nitrogen, Phosphorus, Potassium											
-	(D)	Calcium, Magnesius	n, Sulphur	•	-							
	(E)	Answer not known										
72.		a is the source of nit rea, nitrogen is prese	•	· ·	urea is 46%.							
	(A)	Nitrate	(B)	Nitrite								
	(C)	Ammoniacal	(B)	Amide								
	(E)	Answer not known										

73.	Mar in °		he tem	peratu	re regim	mean annual soil temperature			
		Tem	peratu	re regi	me	Mean annual soil temperature in °C			
	(a)	a) Cryic					•	From 8°C to less than 15°C	
	(b)	Нур	erther	mic		2	•	More than 0°C but less than 8°C	
	(c)	Mes	ic			3			
	(d)	Pergelie					•	is 22°C or more	
		(a).	(b)	(c)	<u>(</u> d)			•	
	(A)	3	2	4	1				
	(B)	1	3	2	4				
	(C)	4	1	2	3				
	(D)	2	4	1	3			•	
	(E)	Ans	swer no	ot knov	vn				
74.	The	e odor	ous co	mpone	nt in pou	ltry man	ur	e is	
	(4)	• Am	monia			(B)	N	l ethane	
	(C)		pane			(D)	E	Butane	
	(E)		swer no	ot knov	vn				
75.					t ceased g/cm		he	oxygen diffusion rate (ODR)	
	(A)	20	$\times 10^{-8}$			(B)	2	0×10^8	
			$\times 10^{-8}$			(D)	1	0×10^{8}	
	(E)	An	swer n	ot knov	wn				

76.		assium containing mineral		•
		Sylvinite	(B)	Apatite
	(C)	Tourmaline	(D)	None of these
	(E)	Answer not known		
77.		type of bonding between layers	s of 1	:1 clay mineral
	(A)	Hydrogen bonding	(B)	Oxygen linkage
	(C)	Potassium bonding	(D)	Magnesium linkage
•	(E)	Answer not known		
78.	Sodi	ic soils		•
	(A)	$^{\circ}$ EC > 4 dsm ⁻¹ and pH < 8.5		
	(B)	$EC > 4dsm^{-1}$ and $pH > 8.5$		
	(C)	$EC \le 4dsm^{-1}$ and $pH \le 8.5$		
	(D)	$EC \le 4dsm^{-1}$ and $pH \ge 8.5$		
	(E)	Answer not known		
79.	Win	d breaks are planted in orchar	ds to	wards
	(A)	South-West	(B)	North-West
	(C)	East-South	(D)	North-East
	(E)	Answer not known		
80.	The	stenospermocarpy phenomeno	n is f	foundvariety of grapes.
	(A)	Sharad seedless	(B)	Flame seedless
	(C)	Pusa seedless	(D)	Thomson seedless
	(E)	Answer not known	-	

81.	Gra	nulation is a physiological diso	rder	in
	(A)	Citrus	(B)	Mango
	(C)	Banana	(D)	Sapota
	(E)	Answer not known		
82.	4	wth regulator used for inductio	n of	seedlessness in fruits is
	(A)	GA-100 – 200 ppm	(B)	MH - 1000 ppm
	(C)	NAA - 100 ppm	(D)	Planofix – 450 ppm
	(E)	Answer not known		
83.		er pit of apple is due to the def	cien	cy of
	(A)	Calcium	(B)	Sulphur
	(C)	Iron	(D)	Zinc
	(E)	Answer not known		
84.	Prot	andry occurs in		
	(4)	Custard apple	(B)	Pomegranate
	(C)	Almond	(D)	Coconut
	(E)	Answer not known		
85.	Whi	ch of the following is the off-se		
	(A)	Rumani	(P)	Niranjan
	(C)	Langra	(D)	Alphonsa
	(E)	Answer not known		
86.	Bota	anical name of seedless lime is		·
	(A)	Citrus limon	(B)	<u>Citrus latifolia</u>
	(C)	Citrus reticulata	(D)	Citrus aurantium
	(E)	Answer not known		

87.		Aonla or Indian gooseberry variety kanchan developed by ————University										
	(A)											
	(B)	(B) Indian Institute of Agricultural Research										
	(C)	(C) Narendra Deva Agricultural University										
	(D)											
	(E)	Answer not known										
88.	'Has	ss' is a variety in										
	(A)	Fig	(R)	Avocado								
	(C)	Apple ·	(D)	Durian ·								
	(E)	Answer not known										
89.	Whi	Which is the vertical row planting pattern among the following?										
	(A)	Triangular system	(B)	Cluster system								
	(C)	Contour system	(D)	Quincunx system								
	(E)	Answer not known										
90.	In d	eciduous fruits, the rest period	d is co	oinciding with								
	(A)	Autumn	(P)	Winter								
	(C)	Summer	(D)	Spring								
	(E)	Answer not known										
91.	Whi	ch of the following is not the p	olyen	nbryonic variety of mango?								
	(A)	Alphonso	(B)	Chandrakaran								
	(C)	Goa	(D)	Olour								
	(E)	Answer not known										

92.	Wha	at is the botanical name of Bra	zilian guava?	
		Psidium Guinense		
	(B)	Psidium Cattleianum		
	(C)	Psidium Friedrichsthalianum	<u>1</u>	
	(D)	Psidium guajava		
	(E)	Answer not known		
93.		annual mean temperature essful mango cultivation.	ranging from is ideal	for
	(A)	$14-20^{\circ}\mathrm{C}$	(P) 21 − 27°C	
	(C)	· 30 – 36°C	(D) 8 – 14°C	
	(E)	Answer not known		
94.	Whi	ch mango variety produce poly	yembryony seedlings?	
	(A)	Peter	(B) Chausa	
	(C)	Langra	(D) Bapakkai	
	(E)	Answer not known		
95.	Kin	now mandarin is a hybrid of _	×	
	(A)	Trifoliate orange × mandarin	s	
	(P)	King × willow leaf		
	(C)	Trifoliate orange \times e.sinensis	i	
	(D)	King × Dancy		
	(E)	Answer not known		
96.	Avo	cado belongs to the family		
	(A)	Myrtaceae	(B) Lauraceae	
	(C)	Rutaceae	(D) Guttiferae	
	(E)	Answer not known		

97.	Ber	belongs to the family		
	(A)	Lauraceae	(B)	Guttiferae
	(G)	Rhamnaceae	(D)	Moraceae
	(E)	Answer not known		
98.	Whi	ch of the following root stock of	f citr	us is tolerant to tristeza?
	(A)	Sons orange	(B)	Trifoliate orange
	(C)	Citron	(D)	Cleopatra Mandarin
	(E)	Answer not known		
99.	Pine	e apple belongs to the family		
	(A)	Pinaceae	(B)	Bromeliaceae
	(C)	Lauraceae	(D)	Musaceae
	(E)	Answer not known		
100.		is a non-climacteric fruit.		
	(A)	Mango	(B)	Acid lime
	(C)	Sapota	(D)	Pineapple
	(E)	Answer not known		
101.	Brin	njal cultivars resistant to phom	opsis	s fruit not
	(4)	Pusa Bhairav	(B)	Pusa Upkar
	(C)	Pusa Bindu	(D)	Pusa Uttam
	(E)	Answer not known		

102.	CO ₂ enrichment in green house is done to enhance										
	(A)	Tra	nspira	tion		(B)	Respiration				
	(S)	Pho	tosynt	hesis		(D)	Oxidation				
	(E)	Ans	wer no	t knov	vn						
103.	Bolting is defined as — in Cabbage.										
	(A)) Splitting of calyx									
	(B)	Fru	it split	ing							
	(G)	Pre	mature	e seed	stalk f	ormation					
	(D).	Roo	ting of	tubers	3	•					
	(E)	Ans	wer no	t knov	vn						
104.	Mat	tch th									
	(a)	Tom	ato		1.	Greening					
	(b)	Pota	.to		2.	Cat face					
	(c)	Caul	liflowe	r	3.	Whiptail					
	(d)	Carr	rot		4.	Forking					
		(a)	(b)	(c)	(d)						
	(A)	3	2	4	1						
	(B)		4	3	1						
		2	1	3	4						
	(D)	4	1	3	2						
	(E)	Ans	wer no	t knov	vn						

105.	Blossom end rot in tomato may be corrected by the application of							
	(A) Foliar spray of NAA 60 ppm							
	(B) Application of triacontanol @ 1 ml per lit							
	(G)	Foliar spray of 0.5% calcium of	chlor	ide				
	(D)	Application of Ammonium mo	olybta	ate 0.1%				
	(E)	Answer not known	•					
106.	106. Growth inhibitor involved in dormancy process in onion is produce the ————— parts of the plant.							
		Leaves	(B)	Bulks				
	(C)	Roots	(D)	Flowers				
	(E)	Answer not known						
107.		king disorder in Cauliflower is nent.	due	to the formation of —				
	(A)	Lycopene						
	(B)	Xanthophyll						
	(C)	Anthocyanin						
	(D)	Carotene						
	(E)	Answer not known						
108.	In p	otato, 'A' grade is given to tub n.	ers h	naving the weight of ————				
	(A)	less than 25	(B)	25-50				
	(C)	50-100		more than 100				
	(E)	Answer not known	. 🗸					

109.	Brin	ijal is a ——— plant.		
	(A)	short day plant		
	(B)	long day plant		
		day neutral plant		
	(D)	intermediate between short d	ay a	nd long day
	(E)	Answer not known		
110.	The	parentage of K ₂ chilli		
	(A)	$CO_1 \times Sattur\ Samba$		
	(B)	Sattur Samba. $\times K_1$	•	
	(C)	K ₁ × Sattur Samba		
	(D)	Sattur Samba \times CO ₁		
	(E)	Answer not known		
111.	Cros	ss pollination in onion is due to		
		Protandry	(B)	Protogyny
	(C)	Dichogamy	(D)	Heterostyle
	(E)	Answer not known		
112.	Gua	r gum is obtained from		
	(A)	Cow Pea	(B)	French bean
	(C)	Butter bean	(D)	Cluster bean
	(E)	Answer not known		
113.	<u> </u>	is the early variety (n	natu	res in 6 months) of lassava.
	(A)	Sree Harsha	(B)	COTP 4
	(C)	Sree Jaya	(D)	Sree Visakham
	(E)	Answer not known		

114.	She	Shelling percent in pear is								
	(A)	10-20%	(B)	35-50%						
	(C)	7-10%	(D)	75-80%						
	(E)	Answer not known								
115.	Sho	rt day conditions induces more	fema	ale flowers in						
	(A)	Tomato	(B)	Bhendi						
	(C)	Onion	(D)	Bitter gourd						
	(E)	Answer not known								
116.		· · · · · · · · · · · · · · · · · · ·	cult	ivar of cowpea.						
	(A)	Arka Garima	(B)	Pusa Phalguni						
	(C)	Pusa Komal	(D)	Pusa Barsati						
	(E)	Answer not known								
117.	The	common name of <u>Brassica</u> <u>Ole</u>	racea	<u>a</u> var. <u>italica</u> is						
	(A)	Broccoli								
	(B)	Knol Khol								
	(C)	Brussels sprouts								
	(D)	Chinese cabbage								
	(E)	Answer not known								
118.		crop is the source of	iodir	ne content, good for the control of						
	goit	er.								
	(A)	Tomato	(B)	Chilli						
	(8)	Bhendi	(D)	Onion						
	(E)	Answer not known								

119.	119. Rich source of calcium is					
	(4)	Curry leaves				
	(B)	Fenugreek leaves				
	(C)	Drumstick leaves				
	(D)	Amaranthus leaves				
	(E)	Answer not known				
120.	Amo	ong the fresh vegetables exported the top most is				
	(A)	Gherkin				
	(B)	Onion				
	(C)	Potato				
	(D)	Chilli				
	(E)	Answer not known				
121.	Whi	ch of the following statement about British Garden is <u>incorrect</u> ?				
	(A)	Garden style was informal				
	(B)	Smooth curvaceous lines were formed				
	(C)	Plan is asymmetric				
	(D)	Element of surprise was missing				
	(E)	Answer not known				
122.	The	serially connected arches are called				
	(A)	Trellis				
	(P)	Pergolas				
	(C)	Arbour				
	(D)	Pillars				
	(E)	Answer not known				

	(A)	<u>Ficus</u> repens is a foliage climber									
	(B)	Inac	<u>Inachelospermum jasminoides</u> is a climber with scented flowers								
	(8)	Pothos prefers open sun									
	(D)	Hed	Hedera helix prefers partial shade								
	(E)	Ans	wer no	t know	n						
124.	24. 'Fairy ring' problem in lawn is caused by										
	(A)	Fun	igus			(B) Bacteria					
	(C)	Inse	ects			(D) Reptiles					
	(E)	Ans	wer no	t know	n	·					
125.	Ma	tch th	e follo	wing:							
	(a)	<u>Ficu</u>	s <u>reper</u>	<u>18</u>	1.	Pure white scented flowers					
	(b)	Clen	natis		2.	Heavy climber					
	(c)	Thu	nbergia	ι	3.	Cool dry places					
	(d)	Wist	<u>eria Si</u>	<u>nensis</u>	4.	Cover the surface it climbs					
		(a)	(b)	(c)	(d)						
	(A)	4	1	2	3						
	(B)	1	2	3	4						
	(C)	2	3	4	1						
	(D)	3	4	1	2						
	(E)	Ans	wer no	t knowr	ı						

123. Which of the following statement is incorrect?

126.	6. The lawn grass which is suitable for saline soil conditions is					
	(A)	cyanodon intermedius				
	(B)	stenotaphrum secundatum				
	(C)	sporobolus tremulus				
	(D)	poa annua				
	(E)	Answer not known				
127.	Gaz	ania <u>splendens</u> is classified in t	o wh	aich of the following groups?		
	(A)	Annuals				
	(B)	Biennials .				
	(6)	Herbaceous Perennials				
	(D)	Climbers and Creepers				
	(E)	Answer not known				
128.		arrangement of potted plants as statue is known as	aro	und a tree or any central object		
	(A)	Topiary	(B)	Rockery		
		Trophy	(D)	Shrubbery		
	(E)	Answer not known				
129.	Run	ning water is the life and soul	of —	garden.		
	(A)	Mughul				
	(B)	English				
	(C)	Japanese				
	(D)	Persian				
	(E)	Answer not known				
	•					

	(B) <u>Jasminum</u> grandiflorum								
	(C) Jasminum auriculatum								
	(D)	Jasminum multiflorum							
	(E)	E) Answer not known							
131.	Flov	vering period in marigold is pro	olonged by						
	(A)	Ethrel at 500 ppm	(B) CCC at 3000 ppm						
	(C)	GA ₃ at 1000 ppm	(D) NAA at 1000 ppm						
	(E)	Answer not known							
132.	Orig	gin of African marigold is							
	(A)	Mexico	(B) Africa						
	(C)	France	(D) America						
	(E)	Answer not known							
133.		is a wax like subsume together with plant waxes	tance containing the natural flower s and pigments.						
	(A)	Concrete							
	(B)	Absolute							
	(C)	Oil							
	(D)	Essential oil							
	(E)	Answer not known							

130. 'Kakada' jasmine is botanically known as

(A) <u>Jasminum sambac</u>

134.	The	The solvent used for the extraction of Jasmine concrete is											
	(A)	(A) Sodium benzoate											
	(B)	Food grade Hexane											
	(C)												
	(D)	O) Silver nitrate											
	(E)	Answer not known											
135.	The chry	which of the following statement carnation differed from santhemum											
	(A)) Produces cut flowers											
	· (B)	Requires pinching											
	(G)	Long day plant											
	(D)												
	(E)	Answer not known											
136.	Tub	Tuberose variety tolerant to Meloidogyne incognita nematode is											
	(A)) Prajwal											
	(B)	Shrinagar											
	(C)	Rajat Rekha											
	(D)	Vaibhav											
	(E)	Answer not known											
137.	The	concrete recovery percent from jasminum auriculatum is											
	(A)	0.33 per cent (B) 0.27 per cent											
	(C)	0.19 per cent (D) $0.15 per cent$											
	(E)	Answer not known											

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	(E)	Answer not known
	(D)	Cherry coffee obtained after complete removal of pulp and musilage
		Abnormal, defective and broken bits of coffee are known as triage
	(B)	Elephant bean is due to incomplete fertilization
	(A)	Pea berry in coffee refers to the whole bean dried along with pulp
141.		te the correct statement from the following
	()	
	(E)	Answer not known
	, ,	Virudhunagar and Sivagangai Madurai and Coimbatore
	(B)	Dharmapuri and Krishnagiri Virudhunggar and Siyagangai
	(A)	Salem and Erode
140.	Tam	tuberose cultivation is concentrated in the districts of ———————————————————————————————————
	(E)	Answer not known
	(D)	Iridaceae
	(C)	Malvaceae
	` /	Acanthaceae
	(A)	Asteraceae
139.	Cros	ssandra (<u>Crossandra Infundibuliformis</u>) is belong to the family
	(E)	Answer not known
	(D)	2.0×2.0 sq.meters
	(C)	2.0×1.5 sq.meters
	(B)	1.25×1.25 sq.meters
		1.5×1.5 sq.meters
138.	The	optimum spacing recommended for Mullai is

142.		pices crops oleoresin is obtained by extraction of dry ground spices the use of
	(A)	Distilled water
	(R)	Hexane
	(C)	Petroleum ether
	(D)	Hydrochloric acid
	(E)	Answer not known
143.		is responsible for the colour of the made tea
	(A)	Theaflavins and thearubigens
•	(B)	Caffeine
	(C)	Glycosides
	(D)	Coumarines
	(E)	Answer not known
144.		reduce the moisture content of tea leaves by spreading them in ghs are called
	(A)	Withering
	(B)	Rolling
	(C)	Grading

(D) Fermentation

(E) Answer not known

145.	Whi corr	ch of the following statemer ect?	nts r	egarding	Cocoa	type	Criollo	are				
	I.	I. Pod colur – Dark red										
	II.	II. Flavour – Bland										
	III.	III. Pod surface – Smooth										
	IV.	Duration for fermentation 6 d	ays									
	(A)	I, II and III are correct										
	(B)	I and II are correct										
	(C)	III and IV are correct										
	(D)	All are correct										
	(E)	Answer not known	•		•			•				
146.	Tapping has to be done on a slope of ———————————————————————————————————						izontal :	zone				
	(A)	40°	(B)	25°								
	(C)	30°	(D)	35°								
	(E)	Answer not known										
147.	The	origin of Palmyrah is										
	(A)	Tropical Africa	(B)	Asia								
	(C)	Rica	(D)	Madaga	scar							
	(E)	Answer not known		_								
148.		tapping system followed by	sma	ll grower	s of ru	bber	with 20	00%,				
	(A)	$\mathrm{S}_2\mathrm{d}_1$	(B)	$S_2 d_2$								
	(C)	$\mathrm{S}_2\mathrm{d}_3$		$\mathrm{S}_2\mathrm{d}_4$								
	(E)	Answer not known		_								

149.	The bearing habit of cocoa is								
	(A)	Terminal							
	(B)	Lateral							
	(G)	Adventitiously on the trunk							
	(D)	Both terminal and lateral							
	(E)	Answer not known							
150.	The	seed rate for coriander is	· · · · · · · · · · · · · · · · · · ·	kg/ha.					
	(A)	1-2	(B)	5-8					
	(C)	10-15	(D)	20-25					
	(E)	Answer not known							
151.	The	'curcumin' content of turmeric	rang	ges from					
	(A)	7.5 to 9.5 percent							
	(B)	0.5 to 1.5 percent							
	(C)	10 to 15 percent							
	(B)	1.8 to 5.4 percent							
	(E)	Answer not known							
152.	Coll	ection of dropped fruits of coffe	e du	ring harvest is					
	(A)	Gleaning	(B)	Picking					
	(C)	Stripping	(D)	Cleaning					
	(E)	Answer not known							
153.		roved selection made in Tama ny parts of India is	ırind	from TNAU and is cultivated in					
	(A)	DTS 1	(B)	PKM 1					
	(C)	Urigam	(D)	Yogeswari					
	(E)	Answer not known							

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154.	Tea	llowing soil types?						
	(A)	Red sandy loam	(B)	Clay soil				
	(G)	Peat soil	(D)	Sandy soil				
	(E)	Answer not known						
155.		coconut primordia of inflorescent ————————————————————————————————————		s begin to form in the leaf axil of spathe.				
	(A)	24 months	(P)	32 months				
	(C)	30 months	(D)	18 months				
	(E)	Answer not known						
156.	Under Tamil Nadu conditions, in cashew a spacing of accommodating $\frac{500}{4DP}$ plants/ha is recommended under							
	` '	7 × 7 m						
	•	5 × 4 m						
	, ,	7 × 5 m		•				
		5 × 5 m						
	(E)	Answer not known						
157.	Wha	at is the commercial method of	prop	agation in cashew?				
	(A)	Seed						
	(B)	Layering						
	(C)	Epicotyl grafting						
	(D)	Budding						
	(E)	Answer not known						

158.	Ma	tch th	e follov	wing:				
	(a) Arecanut				1.	Pekoe		
	(b)	Tea			2.	EPC2X		
	(c)	Paln	nyrah		3.	Chali		
	(d)		-		4.	Neera		
		(a)	(b)	(c)	(d)			
	(A)		2					
			4					
	(C)		2					
	(D)	3	1	4	2			
•	(E)	Ans	swer no	t know	/n	•		•
159.	Wh	ich is	the he	rbal sp	oice cla	assified a	s h	ardy annual?
	(A)	Ma	rjoram			(]	B)	Mint
	(G)	Par	sely			(]	D)	Thyme
	(E)	Ans	swer no	t knov	/n			
160.	Alle	eppey	green,	coorg	green	, bleached	d w	hite are the grades of
	(A)	Car	damon	ı		(]	B)	Ginger
	(C)	Clo	ve			(]	D)	Pepper
	(E)		swer no	t know	/n	·	ŕ	• •
161.	The	chie	f consti	tuent	of cum	nin seed is	s	
	(A)	β-c	arophy	llene				
	(B)	Cin	eole					
	(C)	Lin	alool					
	(D)	Cur	ninald	ehyde				
	(E)		swer no	•	vn			
	(- /							

162.	62. The Central Coffee Research Institute is situated at			s situated at				
	(A)	Coorg, Karnataka						
	(B) Mysuru, Karnataka							
	(C) Balahanur, Karnataka							
	(D) Thadiyankudisai, Tamilnadu							
	(E)	Answer not known						
163.	"Coo	chin oil" is extracted from the l	.eaves	s of				
	(A)	Lenpn grass	(B)	Palmarosa grass				
	(C)	Vettiver	(D)	Geranium				
	(E)	Answer not known		<u>.</u>				
164.	The	Nirmal variety of periwinkle i	s resi	istant to				
	(A)	Leaf spot						
	(B)	Leaf miner						
	(C)	Collor rot and root rot						
	(D)	Leaf mosaic						
	(E)	Answer not known						
165.	What is the major fraction of essential oil of Ocimum gratissium?							
	(A) Methyl Eugenol							
	(B)	Glycosides						
	(C)	Linalool						
	(D)	Linalyl acetate						
	(E)	Answer not known						

	(A)	10-20 kg/ha/year	(B)	30-40 kg oil/ha/year		
	(C)	60-70 kg/ha/year	(D)	80-100 kg/ha/year		
	(E)	Answer not known				
167.		narosa variety, Jawahar aniol.	Rosa	68 contains ————————————————————————————————————		
	(A)	85.6%	(B)	89.2%		
	(C)	91.7%	(D)	90.3%		
	(E)	Answer not known				
168.	Whe	ere geranium can be grown co	ommer	cially		
	(A) 500-700 m above MSL altitude regions					
	(B)	700-800 m above MSL altitu	ude reg	gions		
	(G)	1000-1500 m above MSL alt	titude	regions		
	(D)	2000-3500 m above MSL alt	titude	regions		
	(E)	Answer not known				
169.	Wha	at is the total Recommended	quanti	ty of NPK for medicinal solanum		
	(A)	100 : 80 : 80 kg/ha				
	(B)	80:80:60 kg/ha				
	(C)	60:80:80 kg/ha				
	(D)	50 : 40 : 40 kg/ha				
	(E)	Answer not known				

166. How much oil yield can be obtained from patchouli grown in a hectare

170.	The periwinkle variety 'Nirmal' is resistant to which biotic stress							
	(A) Resistant to leaf spot							
	(B)							
	(C)	(C) Resistant to dieback						
	(D)	(D) Resistant to collor rot and root rot						
	(E)	Answer not known						
171.	Hig	High yielding variety of aswagandha released by CIMAP is						
	(A)	Jawahar Asgandh-20						
	(B)	Nagori						
	(C)	(C) Poshita						
	(D)	Jawahar Asgandh-134						
	(E)	Answer not known						
172.	The economic part of medicinal solanum is							
	(A)	Leaves						
	(B)	Root						
	(C) Fruit							
	(D)	O) Whole Plant						
	(E)	Answer not known						
173.	'Tus	har' is variety of which mint crop						
	(A)	Japanese mint (B) Spear mint						
	(C)	Bergamot mint Pepper mint						
	(E)	Answer not known						

174.	Choose the best planting material for commercial cultivation of veti-				
	(A)	Seeds			
	(B)	Seedlings			

- (S) Slips
 (D) Cuttings
- (E) Answer not known
- 175. Pepper mint is botanically called as
 - (A) Mentha arvensis L
 - (R) Mentha Piperata L
 - (C) Mentha spicata L
 - (D) Mentha Citrata L
 - (E) Answer not known
- 176. The origin of Solanum Kharianum is
 - (A) India
 - (B) Madagascar
 - (C) Mexico
 - (D) Africa
 - (E) Answer not known

177.	Mat	ch th	ne follo	wing:		
	(a) Palmarosa				1.	Johore
	(b) Patchouli				2.	Krishna
	(c)	Citr	onella		3.	Vaishnavi
	(d) Lemongrass			ss	4.	Mandakini
		(a)	(b)	(c)	(d)	
	(A)	4	3	1	2	
	(B)	3	1	4	2	
	(C)	2	4	1	3	
	(D)	2	4	3	1	
•	· (E)	Ans	swer no	ot know	/n	•
178.	Wha	at is	the con	nmerci	al me	ethod of propagation of medicinal coleus?
	(A)	•		cutting		
	(B)	See			, –	
	(C)		kers			
	(D)		risions			
	(E)			ot know	m	
179.	Т Ъ -	-1-:-	£ t	:4 4	- £ 1	
175.				ituent (or tem	non grass oil is
	(A)		raniol	,		(B) Citral
	(C)		ranella			(D) Linalool
	(E)	Ans	swer no	ot know	m	
180.			olds mal plant		y in j	production and export of which one of the
	(A)	Me	dicinal	coleus		Senna
	(C)	Alo	e Vera			(D) Aswagandha
	(E)	Ans	swer no	ot know	/n	
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181.	What is the share of traditional medicine in the total pharmaceutical products at world level?						
	(A)	60%	(B)	50%			
	(C)	30%	(D)	40%			
	(E)	Answer not known					
182.	Lina	alool is a aromatic compound p	resei	nt in the essential oil of			
	(A)	Lemon grass	(B)	Lavender			
	(G)	Bergamot mint	(D)	Geranium			
	(E)	Answer not known					
183.	————— is used as a preservative is colored fruit juice.						
	(A)	Potassium metabisulphite					
	(B)	Acetic acid					
	(C)	Citric acid					
	(D)	Sodium benzoate					
	(E)	Answer not known					
184.	The minimum prescribed level of sugar and acidity in chutney is						
	(A)	68 percent TSS and 1% acidit	y				
	(B)	50 percent TSS and 5% acidit	y				
	(C)	68 percent TSS and 5% acidit	y				
	(D)	50 percent TSS and 1% acidit	y				
	(E)	Answer not known					

185.	Potassium metabisulphite (KMS) when added as preservative, liberates — which reacts with water to form sulphurous acid.								
	(A)	CO ₂ (carbon di oxide)							
	(B)	SO ₂ (sulphur di oxide)							
	(C)	O_2 (oxygen)							
	(D)	C_2H_4 (Ethylene)							
	(E)	Answer not known							
186.	The	important enzyme involved in	clim	acteric rise of CO ₂ is					
_	(A)	Pyruvic carboxylase .	(B)	Amylase					
-		Pectinase		Cellulase					
	(E)	Answer not known							
187.	The	The TSS content in pomegranate towards maturity is							
	(A)	15-17%	(B)	11-13%					
	(C)	8-10%	(D)	5-7%					
	(E)	Answer not known							
188.	In the beginning of modern packaging —————— container was used as packaging material for food preservation.								
	(A)	Corrugated fibre board							
	(B)	(B) Tin plates							
	(C)	Airtight glass bottle							
	(D)	Plastics							
	(E)	Answer not known							

189.	and vegetables so as to have easy handling and stacking.					
	(A)	Corrugated fibre board				
	(B)					
	(C)					
	(D)					
	(E)					
190.	The	e storability of pomegranate at 4.5	5°C with 80% RH is			
	(A)	5-6 weeks (I	B) 10-12 weeks			
			D) 9-12 months			
	(E)		,			
191.	The following statement and answer:					
	I.	In controlled atmospheric storagis slowed down.	ge, biological activity of the proc	duce		
	II.	The objective of storage is to incr	rease the growth of microorganis	sms.		
	(A)	✓ I is true and II is false				
	(B)					
	(C)					
	(D)					
	(E)					
192.		pineapple when the fruits are r oon crops, it will result in	not shaded by leaves especially	y in		
	(A)	Bruising				
	(B)	Chilling injury				
	(G)	Sunburn				
	(D)	Malformations				
	(E)	Answer not known				
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193.	Skir	n coating in fruits and veg	etables is					
	(A)) Very thin film of preservative						
	(B)	Very thin film of wax						
	(C)	Very thin film of pesticid	le					
	(D)	Very thin film of fungicion	de					
	(E)	Answer not known						
194.	Amo	Among the fruits ————————————————————————————————————						
	(A)	Apple and pumpkin						
	(B)	Banana and string beans						
	(C)	Guava and Cabbage						
	(D)	Grapes and Carrot						
	(E)	Answer not known						
195.	The	The term used for placing the cut flower in water is						
	(A)	Impregnation	(B) Pulsing					
	(C)	Bad opening	(D) Conditioning					
	(E)	Answer not known						
196.	Whi	ich of the following statem	ent is true?					
	(A)	Colour development is the index of maturity in sapota						
	(B)	- · · · · · · · · · · · · · · · · · · ·						
	(C)	Abscision of pod is the m	aturity index of peas					
	(D)	Oil content is the maturity index of Avocado						
	(E)	Answer not known						

197.	Dry brushing is the type of cleaning done in						
	(A)	Apple					
	(B)	Citrus					
	(C)	Sapota					
	(D)	Kiwifruits					
	(E)	Answer not known					
198.	Prin	ncipal causes of postharvest los	ses a	nd poor quality in onion is due to			
	(A)	Sprouting and rooting	(B)	Chilling injury			
	(C)	High respiration rate	(D)	Compositional changes			
	(E)	Answer not known					
199.	Mat	curity indices for cabbage					
	(A)	Compact flower head	(B)	Spear length			
	(C)	Head size		Head solidity			
	(E)	Answer not known					
200.	Read the following statement and answer:						
	I.	Arils of pomegranate are sto with 0-5°C temperature and		well under controlled atmosphere 0% CO ₂			
	II.	II. Shredded carrots can be stored under controlled atmosphere with 0-5°C temperature, 5% O_2 and 5% CO_2					
	(A)	Both are true					
	(B)	(B) Both are false					
		(C) I is true and II is false					
	(D)	I is false and II is true					
	(E)	Answer not known					

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