Sl. No. :		HC/1
	Register Number	

2012

HORTICULTURE (Degree Standard)

Time Allowed: 3 Hours] [Maximum Marks: 30

Read the following instructions carefully before you begin to answer the questions.

IMPORTANT INSTRUCTIONS

- 1. This Booklet has a cover (this page) which should not be opened till the invigilator gives signal to ope it at the commencement of the examination. As soon as the signal is received you should tear the right side of the booklet cover carefully to open the booklet. Then proceed to answer the questions.
- 2. This Question Booklet contains 200 questions.
- 3. Answer all questions. All questions carry equal marks.
- 4. You must write your Register Number in the space provided on the top right side of this page. Do no write anything else on the Question Booklet.
- 5. An Answer Sheet will be supplied to you separately by the Invigilator to mark the answers. You mowrite your Name, Register No., Question Booklet Sl. No. and other particulars on side 1 of the Answer Sheet provided, failing which your Answer Sheet will not be evaluated.
- 6. You will also encode your Register Number. Subject Code, Question Booklet Sl. No. etc. with Blue Black ink Ball point pen in the space provided on the side 2 of the Answer Sheet. If you do not encode properly or fail to encode the above information, your Answer Sheet will not be evaluated.
- 7. Each question comprises four responses (A), (B), (C) and (D). You are to select ONLY ONE correctesponse and mark in your Answer Sheet. In case, you feel that there are more than one correctesponse, mark the response which you consider the best. In any case, choose ONLY ONE response feech question. Your total marks will depend on the number of correct responses marked by you in the Answer Sheet.
- 8. In the Answer Sheet there are four brackets [A] [B] [C] and [D] against each question. To answer the questions you are to mark with Ball point pen ONLY ONE bracket of your choice for each question. Select one response for each question in the Question Booklet and mark in the Answer Sheet. If you mark more than one answer for one question, the answer will be treated as wrong, e.g. If for any item [B] is the correct answer, you have to mark as follows:

[A] [C] [D)

- 9. You should not remove or tear off any sheet from this Question Booklet. You are not allowed to take this Question Booklet and the Answer Sheet out of the Examination Hall during the examination After the examination is concluded, you must hand over your Answer Sheet to the Invigilator. You are allowed to take the Question Booklet with you only after the Examination is over.
- Failure to comply with any of the above instructions will render you liable to such action or penalty: the Commission may decide at their discretion.
- 11. In all matters and in cases of doubt, the English Versions is final.
- 12. Do not tick mark or mark the answers in the Question booklet.

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1.		naranthus i Madagasc Burma		e of		(B) (D)	India Thailand
2.		the correct Mentha at Mentha ci	rvensis		e for Japai	nese mir (B) (D)	nt Mentha spicata Mentha piperata
3.	Mate	ch List I co	rrectly	with Lis	t II and sel	lect your	answer using the codes given below:
	(a) (b) (d)	List – I (F Jasmine Tube rose Gerbera Marigold				1. 2. 3. 4.	List – II (Varieties) Sun set Pusa Narangi Vaibhav Mogra
	(A) (B) (C)	(a) 4 3 4 4	(b) 2 2 1 3	(c) 1 1 3	(d) 3 4 2 2		
4.	Pink (A) (C)	disease is Tea Arecanut	most co	mom i	n	(B)	Coffee Cashew
5.	Which (A) (B) (C) (D)	ch one of th Nutmeg Clove Allspice Cinnamor		ving is co	- Garcii - Myris - Pimer	nia camb tica frag ota dioic	rans
6.	(i) (1) i Selec (A)	ch of the fol Genetic ca i) ct your ans (i) alone is (i), (ii) and	auses wer s correc	t		(ii)	earing? Bearing habit ratio (Liv) None of the above (i) and (ii) are correct (iv) is correct
7.		ching is a king Pear Apple					•
8.	The (i) (ii) (U)i (U)x (A) (C)	To expose i) cultural o	more lig maxim peration s correc	ght-and um leaf ns, such t	air to the c surface to as sprayin	entre of the sun To d	the tree irect the growth of the tree so that a vario arvesting can be done at the lowest cost rotect the tree from sun burn and damage (i) and (ii) are correct All are correct
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9.	Nam	ie the chemica	al used for the	unning Grap	es crot	
	(A)	IBA			(B)	NAA
	(C)	BA			(D)	GA3
.01	Freq	uency of irrig	ation is dete	ermined by		
	(i)	The nature of	of soil		(ii)	Rate of absorption by plants
	زلياز	i)			The	root system by the crop-(Egv) Rainfall
	(A)	(i) alone is co	orrect		(B)	(i) and (ii) are correct
	(C)	(i), (ii) and (i	ii) are corre	ct	(D)	All are correct
11.	Cons	sider the state	ements			
	The	water require	ment in litr	es/dav/plant (for	
	(i)	Mango	_	30- 50		
	(ii)	Banana	_	20-25		
	({ 1 -1i		P:	apaya	_	15-25
	(Ugv			uava	_	40–50
		ne statements		44.4		
-		(i) alone is co			(B)	(i) and (ii) are correct
		(i), (ii) and (i		at	(D)	All are correct
	اراعلا	(1), (11) and (1	II) Ale Colle	CL	(D)	All are correct
12.	Cons	sider the state	ements			
	(i)			ribute percen	tible i	ncome to nation
	(ii)			_		ces per unit area than cereals
	(Hii		r	- · · · · · · · · · · · · · · · · · · ·		icultural crops are highly remunerative
	-(4-1)					cicultural crops generate more employmen
	_	rtunities				mental elopo generally more employing.
		ne statements				
		(i) alone is co			(B)	(i) and (ii) are correct
		(i), (iii) and (act	(D)	All are correct
	WO.	(1), (11) and ((V) ALE COLLE	,	(0)	An are correct
13.	The	most importa	nt advantag	e of drip irrig	gation	is
	LAY	Water savin	g		(B)	Labour saving
	(C)	Reduced wee	ed growth		(D)	Saves nutrients
14.	Grov	ving of trees f	or aesthetic	or educative	purpo	se is called as
	(A)	Olericulture			(B)	Arboriculture
	(C)	Sericulture			(D)	Moriculture
1ŏ.	Area	and producti	ion of fruit c	rops in Tamil	lnadu	are given below :
		Crop	Area	Productio	n	
		,	ousand ha)	(thousand t	on)	
	(i)	Mango	102.20	5019	-	
	(ii)	Banana	135.12	580		
	(iii)	Grapes	2.82	91		
		,				
	_	eneral which	figures are c	orrect among		-
	(A)	(i) and (ii)			LED	(i) and (iii)

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16.	The	sub tropical	fruit grown ir	n Nilgris			
	(A)	Pineapple			(BY	Mangosteen	
	(C)	Mango			(D)	Banana	
17.		* -	r crop in rubl	per plantation			
	(A)	Sunhemp			(B)	Pillipesara	
	(X)	Catapagoni	um		(D)	Dainche	
18.	Asse Reas Now (A) (B) (C)	ertion (A): Coson (R): Voselect your and Both (A) and (A) is true by	Vire mesh has answer accord d (R) are true d (R) are true out (R) is false	cladding is dan to be provided ding to the cool to (R) is the con to (R) is not the	ed in (ling s rect e	I by birds Green Houses. cheme given below explanation of (A) ect explanation of (A)	
	(D)	(A) is talse	but (R) is true	2			
19.	(i) (iii) (A)	dy soils are Coarse text Poor water (i) alone is o (i), (ii) and	holders	ot	(ii) (iv) (B) (D)	Have large pore-spaces high nutrient retaining ability (i) and (ii) are correct All are correct	
20.	Reas Now	Both (A) an Both (A) an (A) is true b	Soils are hanswer accorded (R) are true	ighly suitable ding to the cor e (R) is the cor e (R) is not the	for he ling s rect e	oportion of sand, silt and clay orticultural production cheme given below explanation of (A) ect explanation of (A)	
21.	Whi	ch one of the	following is c	correctly matc	hed?		
	SI.N	0.	Crop	Labour rec		nent	
	(A)		Tea	565	,		
	(B)		Coffee	150			
	(e)	7	Banana	1000			
	(D)		Grapes	1500			
22.	In w	hich country	the Horticul	tural therapy	was i	ntroduced?	
	(A)	China			(B)	India	
	CX	USA			(D)	UK	
23.	lden	itify the most	correct order	r in the multit	ier cr	opping systems	
	(A)	Coconut, Co	ocoa, Pineapp	le, Ginger	(B)	Areca nut, Pepper, Cloves, Coffee	
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(D) all the three

(C) (ii) and (iii)

24. Consider the following statements: Assertion (A): Shelter belts are recommented Reason (R): It increases the precipitation Select the answer from the given below contained (A). Both (A) and (R) are true, but (R) is the (B) Both (A) and (R) are true, (R) is not the second select the select the second select the select t	n. e ne correct explanation of (A)	Ginger
(C) (A) is true but (R) is false(D) (A) is false but (R) is true		
25. Identify the plant suitable for live fencing (A) Grevilles robusta (E) Prosopis fuliflora	(B) Banana (D) Crotons	
26. Select a planting system which accommod (A) Triangular system (C) Hexagonal system	tes 15% more tree than the sq (B) Quincunx system (D) Contour system	uare system
27. Crown cleaning is done in (A) Banana (C) Coconut	(B) Mango (D) Papaya	
28. Identify the correct order of sequence of cy (A) Spring, Summer, Autumn, Winter (C) Autumn, Winter, Spring, Summer	=	
29. Consider the statements: (i) Sod is a permanent cover of grass (ii) Sod is useful in slopy lands (Unii) (Uiv) Of the statements: (A) (i) alone is correct (C) (i). (ii) and (iii) are correct	Sod needs minimum manuring Sod is beneficial to shallow record (i) and (ii) are correct (D). All are correct	
30. The tree species used as wind break in the		
(A) Polyalthia (C) Kiluvai	(B) Casuarina (D) Peltophorum	
	number of plants ire system Lime	
32. Chemicals used for dwarfing the plants in(A) MH(C) Thidiazuron	nigh density planting are (B) Paclabutrazol (D) Glyphosate	
33. In apple for yield per hectare under high d (A) 20 tonnes	ensity planting is (B) 50 tonnes	
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	(C)	100 tonnes		(D)	140 tonnes
34.	The	plant possessing tunicate bulk	is		
	(A)	Onion		(B)	Potato
	(C)	Lily		(D)	Tuberose
35.	We h		d organic	manu	res. Find out the correct ascending order of
	(A)	Castor cake, Neem cake, Gro	undnut c	ake, C	oconut cake
	(B)	Neem cake, Groundnut cake,			
	(C)	Groundnut cake, Coconut cal			
	LBY	Coconut cake, Neem cake, Ca	astor cak	e, Grou	andnut cake
36.	Whic	ch one of the following is a righ	ht source	of nut	rient?
	(A)	Azolla -	N & P		
		BGA -	N & K		
		VAM –	NPK (
	(D)	Pseudomonas -	P & K		
37.		ch one of the following is corre		ched?	
		Essential element -	Iron		
	-	Primary nutrient – Secondary nutrient –	Carbo		
	(D)	Micro nutrient –	Magne Potass		
	` '			,1401	
38.		sider the following statements		,	
		rtion (A) : Terminal buds			1. 1. 1. 1.
					vision and multiplication
		(A) and (R) are true, (R) is th (A) and (R) are true, (R) is no			
	-	(A) is true but (R) is false	or tile coi	I GCC 6X	planation of (A)
	(D)	(A) is false but (R) is true			
39.	One	of the following organic manu	re has 5	5%N 4	1.4% P and 2.0% K
,,,		Guano		_	Night soil
	(C)	Cattle manure			Leaf mould
40.	Rone	es are rich in			
4 0.		Nitrogen		485	Phosphoric acid and lime
		Phosphorus		(D)	Potash
4.1		-		(-)	
41.		ssium sulphate contains 48% K ₂ O		ΔD)	35% to 47% K ₂ O
	(C)	25 to 35% K ₂ O		(B) (D)	10 to 15% K ₂ O
	` '				10 to 13% 1/20
42.		and chicken disorder in grape	s is due t		· · · ·
	(A)	Molybdenum deficiency		(B)	Iron deficiency
	(Le)	Boron deficiency		(D)	Zinc deficiency
43.		ch one of the following is corre			
	(A)		Vitrogen :		
			Vitrogen		
	(C)	Starter solution - N	vitrogen :	ın sma	ll quantity

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44.	(D) The	Foliar sp		- tent anu	Phosphor		s listed below is
	(A)		m nitrate	-	20-22.5%		0 110 100 0 000 00
	(B)		um sulpha	te –			
	(C)	Ammoni	um nitrate	_	29.0%		
	(D)	Urea		_	40.8%		
45.	Asse	rtion and	Reason ty	ре			
		rtion (A)					orchards located near brick kilns
		()			-		om brick kilns are the causal agents
	100	=	ar answer		_		name at our langtion of (A)
	(A) (B)						correct explanation of (A) correct explanation of (A)
	(C)		ie but (R) i		100 (10) 15 10	or tite	correct explanation of (N)
	(D)		se but (R) i				
	, ,				_		
46.	Mate	ch List I w	vith List II	and cho	oose the co	rrect a	inswer:
		List – I					List - II
	(a)	Mango				1.	30kg Fym, 600g N, 200g P & 300g K
	(р)	Wetland	banana N	endran		2.	50 kg Fym, 1kg N, 11 kg P& 1.5 kg K from 6th year
	(c)	Wetland	banana Po	ovan		3.	210g N, 35g P & 450g K
	(d)	Citrus (A	Acid lime)			4.	160g N, 50g P & 390g K
		(a)	(b)	(c)	(d)		
	(A)7		3	4	1		
	(B)	1	2	3	4		
	(C)	4	2	3	1		
	(D)	3	4	2	1		
47.	Cons	sider the f	ollowing st	atemen	ts:		
	Asse	rtion (A)	: Avoid	water	stagnation	near	the plant base of papaya plants
	Reas	son (R)	: Stagr	ation ii	nvites nem	atode	infestations
	Sele	ct the ans	wer from t	he giver	n below cod	le:	
	(A)	Both (A)	and (R) ar	e true, ((R) is the c	orrect	explanation of (A)
	(B)				out (R) is r	ot the	correct explanation of (A)
	(CY		ie but (R) i				
	(D)	(A) is fal	se but (R)	is true			
48.	Cons	sider the f	ollowing st	atemen	ts:		
		rtion (A)	_			op is	a rainfed crop, sprinkle, irrigation duri
		. ,		ner is es		•	, , , , , ,
	73	/T) \	mı ·				1

Reason (R) : This operation increases yield

Select the answer from the given below code:

Both (A) and (R) are true, (R) is the correct explanation for (A)

(B) Both (A) and (R) are true but (R) is not the correct explanation for (A)

(C) (A) is true but (R) is false

	(\mathfrak{D})	(A) is talse but (R) is tru	e				
49.	Ferti	gation is highly suited fo	r				
	(A)	Basin irrigation			(B)	Drip irrigation	
	(C)	Furrow irrigation			(D)	Flooding	
50.	The	emitters in the drip syste	ın sho	ould be a	t a pa	rticular distance from base	e of the plant
	(A)	40-50 cm			(B)	150-200 cm	
	(C)	75-100 cm			(D)	5-25 cm	
51.	Whic	ch one of the following is o	orrec	tly matc	hed?		
		Crop	•	Method (of irrig	gation	
	(A)	Jack -		Copious	moist	ure	
	c(B)	Amla –		Drip irri	gatior	1	
	(C)	Cassava -		Wetland	- irriga	ition	
	(D)	Cabbage -		Pitcher i			
52.		water soluble fertilisers cation WSF, Ventury, Secondar Ventury, Secondary pipe Drippers, WSF, Ventury Secondary pipes, Drippe	ry pip es. WS , Seco	es, Dripp SF, Dripp andary pi	pers pers	ed to crops. Give the co	orrect sequence
53.	Whic	ch one of the following is o	correc	tly matc	hed?		
	(A)	Dogging of water	_	Good q		water	
	L(B)/	Hill crops	_	-	_	igation	
	(C)	Vegetables	_	Floodin			
	(D)	Furrow irrigation	-		_	rrigation	
54.	Asse Reas	on (R) : Maintains select your answer to the Both (A) and (R) are true	turgo codin e, (R) c but e	or in cellsing system is the co	for p ns bel rrect (
55.	At w	hich height the rose plan	ts are	pruned	. 1		
	(A)	20 cm			(B)	45 cm	
	(C)	90 cm			(D)	120 cm	
56.	Pincl	hing is followed in which	crop?				
	(A)	Chrysanthemum			(B)	Gladiolus	
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57.	Which one of the following is correctly r	(D) Jasmine natched?
	Crop (A) Chowchow – (B) Lablab Var.Co6 – Annual Moringa – (D) Pea –	Agro techniques Pruning is done in the first year Pandal is a must Pinching is essential Staking is not required
58.	Which one is correct? The lifting operation of vine in sweet po (A) On 30th and 55th day (C) On 50th and 75th day	otato is, done (B) On 40th and 65th day (D) On 60th and 85th day
59.	Root pruning is practiced in Deccan vire (A) Oranges (C) Tamarind	dharba areas in North India to induce flowering in (B) Guava (D) Mango
60.	Consider the statements: (i) Rejuvenation pruning to rejuvena (ii) Medium pruning for spread of bus -(iii) (iii) (iv) (A) (i) alone is correct (C) (i), (ii) and (iii) are correct	
61.	branches	is the correct explanation of (A)
62.	Which one of the following is correctly to Crop (A) Pomegranate (B) Mango (C) Sapota (D) Ber	natched? Practice Removal of shoots Bagging of fruits Bending Pruning
63.		e correct explanation of (A)

64.	Consider the statements: (i) Bower system of training is a (ii) In Jack fruit buds always bo -(L-1ii) -(L-1ii) Of the above: (A) (i) alone is correct (C) (ii), (iii) and (iv) are correct	rne adventitio Roc Rir	entitiously Root pruning is done in Mango Ringing is a common practice in grapes (B) (i) and (ii) are correct				
65.	Which of the following is correctly (A) Thinning (B) Root Pruning (C) Ringing (D) Open centre	matched? - MF - Ma - Aci					
66.	Multiple selection type: Consider the statement: (i) To achieve good production of (ii) NAA can be used as a chemical content of (Liii) set Of the statements: (A) (i) alone is correct (C) (i) and (iii) are correct	cal thinning a	aining and spraying of MH will improve fru (i) and (ii) are correct				
67.	Uniform ripening in Muscat grape (A) Brassino steroid 0.5 ppm (C) 0.2% KCL		GA ₃ 25 ppm				
69.	List - I (a) Climacteric (b) Non-Climacteric (c) Vegetative Parthenocarpy (d) Stimulative Parthenocarpy (a) (b) (c) ((A) 1 4 3 (B) 3 4 2 (C) 1 2 3 (D) 4 3 2 Assertion (A) : In apple or a	1. 2. 3. 4. d) 2 1 4 1 chards each he per hectare is	ur answer using the codes given below: List - II Triploid watermelon Banana Apple Lemon oney bee visits 5000 flowers in a day sideal in orchards				
	(B) Both (A) and (R) are true but						
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(D) (A) is false, (R) is true

	(C)	(A) is true					
70	(D)	(A) is fal					
70.		ospermod	carpy is o	observed	ın	ens)	0
	(A)	Banana	•			(B)	Grapes
	(C)	Pineapp	le			(D)	Sapota
71.	The	flowering	behavio	ur of pir	neapple	is unique be	ecause
	(i)	It usual	ly flower	s after 1	1-12 m	onths	
	(11)	Flowers	only aft	er the fo	rmatior	of 40 leave	s
	(Uii						oduces only one fruit during its lifetime
	(Uiv					Need	ls artificial induction
		ne above s					
	(A)	(i) alone				(B)	(i) and (ii) are correct
	(C)	(i), (ii) a	nd (iii) a	re correc	et	L(D)	All are correct
72.	Mate	ch List I c	orrectly	with Lis	st II and	l select your	answer using the codes given below:
		List - I					List - II
	(a)	Parthen	ocarpy			1.	Thompson seedless grapes
	(b)	Vegetati	ve Part	henocar	ру	2.	Triploid watermelon
	(c)	Stimula				3.	Seedless grapes
	(q)	Stenospe	ermocarj	ру		4.	Banana
		(a)	(b)	(c)	(d)		
	(A)	1	3	4	2		
	((B)/	3	4	2	1		
	(C)	2	4	3	1		
	(D)	3	$\overline{2}$	4	1		
73.	Mate	ch List I c	correctly	with Lis	st II and	l select vour	answer using the codes given below:
		List – I	.01 (00113		, , , , , , , , , , , , , , , , , , , ,	(corder y our	List – fI
	(a)	First dro	าก			1.	Fertilized flowers also drops
	(b)	Second of	•			2.	Fruits drop at half developed
	(c)	Third de	-			3.	Occurs shortly after flower opening
	(d)	Pre-harv)		4.	June drop
		(a)	(b)	(c)	(d)		
	(A)	1	3	2	4		
	(B)	4	2	3	1		
	(ey	3	1	4	2		
	(D)	3	1	2	4		
74.	Whi	ch one of	the follo	wing is o	orrectly	/ matched?	
	(A)			9 - ,	_	Protogyny	
	(B)	Brinjal				Protogyny	
	(2)						

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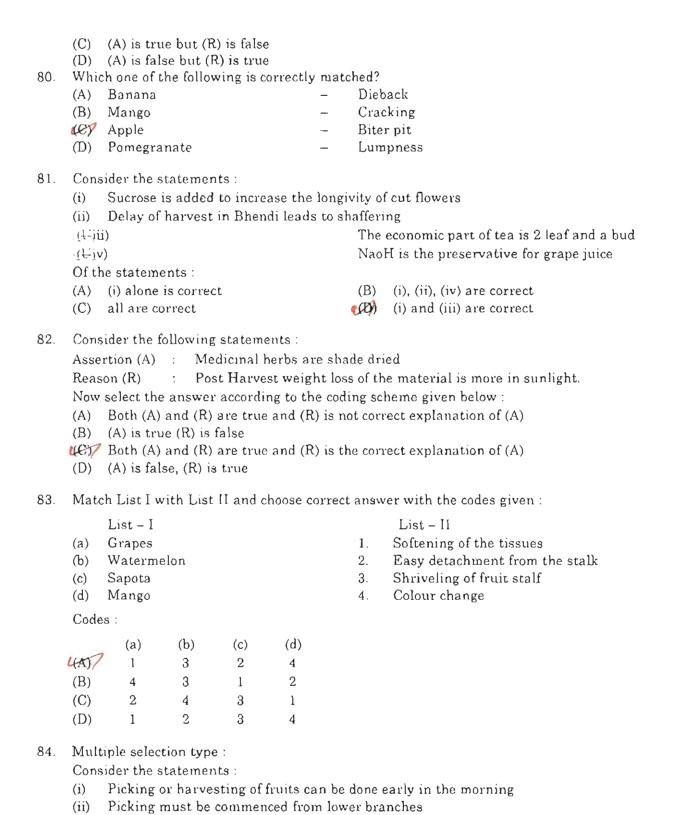
75 .		iple select ider the st Plants wi	tatement		to set fr	uits are	known as unfruitful or barren	
	(ii) Unfruitfulness is due to genetic influe -(∀iii) (U <u>i</u> v)					ofluence Unf	ruitfulness is due to insect pollination ruitfulness is due to physiological factors	
		ne stateme (i) alone i (i) and (ii	s correct			(B)	(i) and (ii) are correct (i), (ii), (iv) are correct	
76.	Mate	ch List I w	ith List I	I and cl	noose an	swer with	codes given :	
	(a) (b) (c) (d)	List – I Apple Citrus Mandarii Jaman	ı orange			1. 2. 3. 4.	List – II 24 D 20 ppm NAA 20 ppm GA 60 ppm 2,4 5-T' 5 to 10 ppm	
	(A)/ (B) (C) (D)	(a) 2 1 4 2	(b) 1 2 3 4	(c) 4 3 2 3	(d) 3 4 1			
77.	Mate	ch List I co	rrectly v	vith Lis	t II and s	select you	r answer using the codes given :	
	(a) (b) (c) (d)	List - I Room coo Hydro coo Package Forced ai	oling icing			1. 2. 3. 4.	List — II Stone fruits Grapes Cut flowers Leeks	
	(A) (B) (C) (D)	(a) 4 2 3 3	(b) 2 3 1	(c) 3 4 2 4	(d) 1 1 4 2			
78.	Whice (A) (B) (C) (D)	High resp	respirat respirat piration	ion ion		AspBanDat	es	
79.								

Protandrum

Dichogamy

(C) Tomato

(D) Grapes

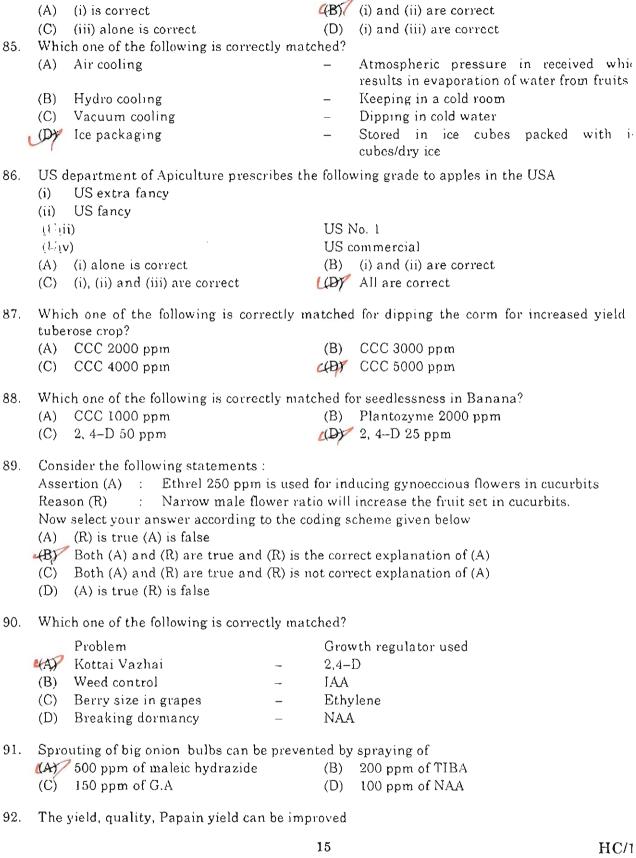


Picking must be done from full maturity (ripened

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·(tiii)

Of the statements



(A) (C) The (A) (C)	most effect	of M.H. ive rooti	ng horn	ione	(B) (D) (B) (B)	Spraying of C.C.C. Spraying of TIBA Benzyl adenine Indole butyric acid	
(A)	Ground la	yering			(B) (D)	Stooling Tip layering	
(a) (b) (c) (d)	h list I cor List – I GA IAA NAA Ethrel	rectly w	ith lìst I	I and sel	ect your a 1. 2. 3. 4.	Inswer using the codes given below: List - II Flower drop Ripening Shoot elongation Rooting	
(A) (B) (C) (D)	(a) 1 3 4 2	(b) 2 4 3 1	(c) 3 1 1 3	(d) 4 2 2 4			
In bo (A) (C)	Ethrel-50	mqq 0	can be	increased	(B)	ing NAA-100 ppm Ethrel-150 ppm	
The (A) (C)	isolation di 1800 m 500 m	stance f	or Breed	der seed p		n of Annual Moringa 1000 m 100 m	
Seed (A) (C)	5-10 Quir	itals per			(B)	10-15 Quintals per Hectare 20-30 Quintals per Hectare	
9. Consider the following statements: Assertion (A): Meristem culture is most ideal method of plant tissue culture Reason (R): They produce genetically identical plants Now select the answer according to the coding scheme given below: (A) Both (A) and (R) are true, (R) is the correct explanation of (A) (B) Both (A) and (R) are true, but (R) is not the correct explanation of (A) (C) (A) is true but (R) is false (D) (A) is false but (R) is true							
(a) (b) (c) (d) Code	List - I (C Apple Mango Lime Peach		(c)	I and sel (d) 1	ect your a 1. 2. 3. 4.	Inswers using the codes given below: List – II (Rootstocks) Rough lemon Peach M9, 26, 7 and MM 106 & 111 Olur, papakai & Chandrakaran	
	(C) The (A) (C) Air la (A) (B) (C) (D) In bot (A) (C) Conserved (A) (C) Conserved (A) (C) (C) (D) Match (A) (C) (D) (D) (D) (D) (D) (D) (D) (D) (D) (D	(C) Spraying The most effect (A) Gibberelli (C) Cycocel Air layering is a (A) Ground la (C) Gootee or Match list I cor List - I (a) GA (b) IAA (c) NAA (d) Ethrel (a) (A) I (B) 3 (C) 4 (D) 2 In bottle gourd (A) Ethrel-50 (C) GA-500 p The isolation di (A) 1800 m (C) 500 m Seed rate for po (A) 5-10 Quir (C) 40-50 Quir	(C) Spraying of M.H. The most effective rooti (A) Gibberellic acid (C) Cycocel Air layering is also know (A) Ground layering (C) Gootee or marcott Match list I correctly where List - I (a) GA (b) IAA (c) NAA (d) Ethrel (a) (b) (A) I 2 (B) 3 4 (C) 4 3 (D) 2 1 In bottle gourd fruit set (A) Ethrel-500 ppm (C) GA-500 ppm (C) GA-500 ppm (C) GA-500 m Seed rate for potato is (A) 1800 m (C) 500 m Seed rate for potato is (A) 5-10 Quintals per (C) 40-50 Quint	(C) Spraying of M.H. The most effective rooting horm (A) Gibberellic acid (C) Cycocel Air layering is also known as (A) Ground layering (C) Gootee or marcottage Match list I correctly with list I List - I (a) GA (b) IAA (c) NAA (d) Ethrel (a) (b) (c) (A) 1 2 3 (B) 3 4 1 (C) 4 3 1 (D) 2 1 3 In bottle gourd fruit set can be (A) Ethrel-500 ppm (C) GA-500 ppm The isolation distance for Breed (A) 1800 m (C) 500 m Seed rate for potato is (A) 5-10 Quintals per Hectan (C) 40-50 Quintals per Hectan (C) (A) is true but (R) are true, (B) Both (A) and (R) are true, (C) (A) is true but (R) is false (D) (A) is false but (R) is true Match list I correctly with list I List - I (Crops) (a) Apple (b) Mango (c) Lime (d) Peach Codes: (a) (b) (c)	(C) Spraying of M.H. The most effective rooting hormone (A) Gibberellic acid (C) Cycocel Air layering is also known as (A) Ground layering (C) Gootee or marcottage Match list I correctly with list II and sel List - I (a) GA (b) IAA (c) NAA (d) Ethrel (a) (b) (c) (d) (A) 1 2 3 4 (B) 3 4 1 2 (C) 4 3 1 2 (D) 2 1 3 4 In bottle gourd fruit set can be increased (A) Ethrel-500 ppm (C) GA-500 ppm The isolation distance for Breeder seed of the increased of the incr	(C) Spraying of M.H. (D) The most effective rooting hormone (A) Gibberellic acid (B) (C) Cycocel (B) Air layering is also known as (A) Ground layering (B) (C) Gootee or marcottage (D) Match list I correctly with list II and select your at List - 1 (a) GA 1. (b) IAA 2. (c) NAA 3. (d) Ethrel 4. (a) (b) (c) (d) (A) 1 2 3 4 (B) 3 4 1 2 (C) 4 3 1 2 (D) 2 1 3 4 In bottle gourd fruit set can be increased by spray (A) Ethrel-500 ppm (B) (C) GA-500 ppm (B) (C) GA-500 ppm (B) (C) GA-500 ppm (D) The isolation distance for Breeder seed production (A) 1800 m (B) (C) 500 m (D) Seed rate for potato is (A) 5-10 Quintals per Hectare (B) (C) 40-50 Quintals per Hectare (C) (A) Is true but (R) is false (D) (A) is false but (R) is false (D) (A) is false but (R) is true Match list I correctly with list II and select your at List - I (Crops) (a) Apple 1. (b) Mango 2. (c) Lime 3. (d) Peach 4. (c) Codes: (a) (b) (c) (d)	

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101.		3 2 1 iple selecti		1 3 2	2 1 4			
		ider the st			1		1100	
	(i) (ii)	When seed	-			-	ative propagation is difficult	
	-(L-ji,	i)	anngs ar	e require	ed in larg		er I propagation is necessary to get true to ty	7
	seed! (L!(v					To ta	ake advantage of polyembryonic seedlings	
	Of th	ne statemer	nts:					
	` ′	(i) alone is				(B)	(i) and (iii) are correct	
	(C)	(i), (ii) and	d (iv) are	correct		(D)	All are correct	
102.	Man	go can be c	ommerci	ally prop	pagated b	v		
	(A)	Budding			Ü	(B)	Softwood grafting	
	(C)	Layering				(D)	Cutting	
103.	Mato	ch list I and	list II a	nd select	t your an	swer usi	ing the codes given below :	
		List – I					List - II	
	(a)	Mango				1.	Budding	
	(b)	Rose				2.	Grafting	
	(c)	Grapes				3.	Cutting	
	(d)	Guava				4.	Layering	
	(e)	Papaya				5.	Seed	
		(a)	(b)	(c)	(d)	(e)		
	LAY	2	1	3	4	5		
	(B)	l	2	4	3	5		
	(C)	3 .	1	2	4	5		
	(D)	5	4	3	2	1		
	(E)	1	3	2	4	5		
104.	Choc	se the corr	ect answ	er. Sequ	ence type	e format	ion of graft union	
	417	Production Differentia					gling of parenchyma cells in stock and scion	า
	(B)		ma and s	sclerench	nym cells	- Integ	ration of pits of stock and scion - Producti	Ĺ¢
	(C)	Parenchyr	ma cells	- Comb			um in root and scion and formation of new	Ç.
	sclerenchyma cells (D) Parenchyma cell – Differentiation of vascular bundle – Differentiation of ne sclerenchy matous cells							e
105.	Tip l	ayering is f	followed	in which	one of th	he follow	ring crops?	
	(A)	Pomegran				(B)	Guava	
	(C)	Apple					Blackberry	
						17	HC/ (Turn ov	

	-	ch one of the following pairs is p	ropagat	ed by	Air layering method?
	UA)!	Ficus elastica and Crotons		(B)	Ficus elastica and Rose
	(C)	Ficus elostica and Jasmine		(D)	Ficus elastica and Chrysanthemum
107.		ch one of the following is correct	ly matc		
	(A)	Jelly	-	Peas	
	(B)	Jam	_	Citru	
	(C)	Squash	_	Bana	
((DY	Vinegar	_	Pickl	es
108	Cord	ial is prepared from			
100.	(A)	Sweet orange		(PS)	Acid Lime
	(C)	Mango		(D)	Grapes
	(0)	ango		(5)	o. apoc
109.	_	ole layering is followed for propa	agation		
	(A)	Plum		(B)	Apple
	((C)/	Guava		(D)	Mango
110	Com	pound layering is practiced in			
110.	(A)	Guava		4B)	Peperomia
	(C)	Blackberry		(D)	Cherry
	(0)	Backberry		(D)	Cheffy
111.	Arka	Prahath is a variety of			
	(A)	Mango		(B)	Acid lime
	(C)	Sapota		CADY	Papaya
112	Rand	ling is a practice followed in			
113.	(A)	Amla		(B)	Pineapple
	(C)	Plum		4D)	Guava
	(0)	(tom		(1)	Cuava
113.	Whic	ch one of the following is correct	ly mate	hed?	
	(A)	Monthan	_	AAA	
	u(B)	Poovan	_	AAB	
	(C)	Robusta	_	ABB	
	(D)	Rasthali	_	A_{A}	
114	14.16	iple selection type (multiple an		\	
114.		ider the statements :	swer tyt	je)	
			aab ayat	ting	
	(i) (ii)	Mango is propagated by appro			
	(u) -(Ujii	Mango is propagated by Epico	ı <u>vı</u> gıanı		go is propagated by stem cutting
	-(tiiv				go is propagated by shield budding
) ne statements :		1475111	20 is brobagated by suited additing
		(i) alone is correct		4BF	(1) and (ii) are correct
	(C)	(i), (ii) and (iii) are correct		(D)	All are correct
	(-)	(-,, (, aa (, a.r. borroot		(~)	
115.	Whic	ch one of the following is correct	ly matc	hed?	
		Crop		Prob	lem

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	(A)	Mango		~	Gran	ulation	
	(B)	Citrus		_	Spon	gy tissue	
	(C)	Banana		~	Ring	spot virus	
		Papaya		_	Cat f	-	
116.	-		for raisin grapes				
1101	(A)	Bangalore			(B)	Anabe shahi	
	and the same	Pusa seedle			(D)	Pachadraksha	
		x ada dodan	200		(2)	2 (10)(da 14)(0)(d	
117.	Whic	h one of the	following propaga	ation tech	inique	s is used in Apple?	
	(A)	Epicotyl gr	afting		(B)	Patch budding	
	LCY	Whip and I	Tongue grafting		(D)	Stone grafting	
^	(17)						•
118.	The 1	oroblems an	id cause are given	for certai	n hui	terops	
		Crop	Problem	Causal (Organ	ism	
	(i)	Grapes	Downey mildew	Fungus			
	(ii)	Citrus	Canker	Bacteria	l		
	-(t-jii) Papaya	Leaf curl	Virus			
	The	correct prob	lem and cause of t	he proble	ms ar	e	
	(A)	(i) and (ii) a	are correct		(B)	(i) and (iii) are correct	
	(C)	(ii) and (iii)) are correct		(D)	All are correct	
119.			a serious problem	מו כ	~ .	A.	
		Nutmeg			(B)	Cinnamon	
	(6)	Cardamom			(D)	Clove	
120	Cons	ider the sta	tements:				
120.	(i)		iting in old branch	10.6	(ii)	Wooly aphis is a problem in apple	
	(Uiii		tung th old oranch	162		arind is propagated by seeds (\text{\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\tint{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\texitt{\$\text{\$\text{\$\texi\}\$}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	Panais
	74.411	•	d from leaves of pa	anava	1 20111	arma is propagated by seeds Acciv).	i aipan
	Of th	e statement		φαζα			
		(i) alone is			4BV	(i) and (ii) are correct	
	(C)	* *	(iv) are correct		(D)	All are correct	
	(-)	(1), (11)	(, , , , , , , , , , , , , , , , , , ,		(-)		
121.	Cons	ider the foll	lowing statements	:			
	Asse	rtion (A) :	Poovan is resis	tant varie	ety to	Panama wilt of banana	
	Reas	on (R) :	Paring and pra	linage is	done t	o control nematode.	
	Now	select your	answer according	to the coo	ding so	cheme given below	
	(A)	Both (A) ar	nd (R) are true and	d(R) is th	e corr	ect explanation of (A)	
	(B)	(A) is true,	(R) is false				
	ter	Both (A) ar	nd (R) are true and	d (R) is no	ot the	correct explanation of (A)	
	(D)	(A) is false	but (R) is true				
122.	Mate	h list I corr	ectly with list II a	nd select	your a	inswer using the codes given below :	
		List – l				List – II	
	(2)	Guava			3		
	(a) (b)	Ber			1. 2.	Red Spanish Kanthari	
	(c)	Pomegrana	ato		⊿. 3.	Hissar Safeda	
	(d)	Pineapple	100		3. 4.	Kaithili	
	(u)	rmeabbie			4.	12a10HIII	

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	· M	(a)	(b)	(c)	(d)			
	(B)	3 1	4 2	2 3	1 4			
	(C)	3	4	1	2			
	(D)	1	3	2	4			
123.		leading fr	uit crop	in the w	orld is		/Def	C'A
	(A)	Grapes					(B)	Citrus
	(C)	Apple					(D)	Pineapple
124.	Choc	se the mo	st appro	priate c	anning	grape	es	
	(A)	Bangalo	re blue				(B)	Thompson seedless
	(C)	Muscat					(D)	Black champa
125.	Choc	se the od	d one ou	t				
	(A)	Mango				_	Spor	ngy tissue
	(B)	Banana				_		liness
	401	Sapota				-	Chol	ke
	(D)	Guava				_	Crac	:k
126.	Choc	se the co	rrect ans	wer:				
	457	Balanag			of Cust	and a	pple	
	(B)	Chakiya					PP.C	
	(C)	Gold fing		-		apple	(3	
	(D)	Gola is t						
127		ivation of						
121.	LAS	Viticultu		S KIIOWII	as		(B)	Citriculture
	(C)	Floricult					(D)	Arboriculture
128.		hich fruit	-	lillorus	bearing	g is ot		
	-	Jack fru	ı t				(B)	Guava
	(C)	Pear					(D)	Sapota
129.	Whic	ch one of t		ving is c	orrectly	mate	ched?	
	(A)	Coriande	r				-	Aphrodisiac
	(B)	Cumin					_	Stimulant
	(C)	Fenugre	ek				_	Carminative
	UBY	Fennel					-	Flatulence
130.	Cons	ider the s	tatemen	ts:				
	(i)	Small ca	rdamom	s are tru	ie carda	amom	ıs	
	(ii)	Cardamo	m is the	Queen	of spice	es		
	/1 his	i۱					Drie	d cancula is commercially used

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-(Uiv) Small cardamom is popular than large cardamom Of the statements: (A) (i) alone is true (B) (i) and (ii) are true (D) All are true (C) (i), (ii) and (iii) are true 131. Consider the statements: Area under small cardamom is more in Kerala (ii) Ginger and Cardamom belongs to the same family · (Unii) Botanically small and larger cardamom are sam-(Uiv) Cardamom seeds does not require scarification Of the statements: (B) (i) and (ii) are correct (A) (i) alone is correct (D) All are correct (C) (i), (ii) and (iii) are correct 132. Ginger is propagated through (i) Underground rhizome (ii) Seed -(1-iii) Tissue culture plants (Wiv) Stem cuttings Of the statements: (A) (i) alone is correct (B) (i) and (ii) are correct (C) (i), (ii) and (iii) are correct (D) All are correct 133. Consider the following statements: Assertion (A) : At flowering and seed set, coriander requires frost free conditions : It is highly susceptible. Reason (R) Select the answer from the given below code: (A) Both (A) and (R) are true but, (R) is the correct explanation of (A) (B) Both (A) and (R) are true, (R) is not the correct explanation of (A) (C) (A) is true but (R) is false (D) (A) is false but (R) is true 134. The frost damage in fennel can be eliminated by (A) Spray 0.1% sulphuric acid (B) Field irrigation and creation of wind breaks (C) Creation of smoke cover UDY All the above 135. Choose the correct answer: Matching type: CAY Pepper Pollu beetle (B) Turmeric Leaf roller (C) Coriander Shoot borer (D) Cardamom Scale insects 136. Multiple selection type: Consider the statements: ginger belongs to Zingiberaceae family

	(ii)	ginger of	comme	rcial use	in dried	lginger			
	-(l-!ıi	i)				ging	er is propagated through seeds		
	∫t⊣įν	·)				Indi	India is the largest producer of ginger		
	Of th	ie stateme							
	(A)	(i) alone i				(B)	(i) and (ii) are correct		
_	(C)	(i) and (ii				(B)	(i), (ii) and (iv) are correct		
137.		crop durat		'urmeric	is				
	(A)	3 to 4 mo				(B)	5 to 6 months		
	(0)	8 to 9 mo	nths			(D)	12 to 13 months		
138.	Clove	e is norma	lly prop	pagated b	ру				
	(A)	Cuttings				(B)	Seeds		
	(C)	Air-layer	ing			(D)	T-Budding		
139.		ch one of tessing?	the foll	owing ch	emical	is used to	remove the mucilage of coffee berries during		
		Calcium	carbona	te		(B)	Calcium hydroxide		
	ue/	Sodium h	ydroxid	le		(D)	Sodium carbonate		
140	Com	mercial ru	hharn	oduction	ia obtai	and from			
140.	(A)	Cera rub		oduction	13 OULA	(B)	Para rubber		
	(C)	Panama:				(D)	Guayul rubber		
	(0)	I allamia	rubber			(D)	Guayarrabber		
						is done wit			
		Dadaps a		•		(B)	• -		
	(C)	Oranges	for can	py shad	e	(D)	Jack tree for canopy shade		
142.	CPC	RI, Region	al stati	on, vital	works	n			
	(A)	Coconut				(B)	Palmyrah		
	(C)	Rubber				(D)	Arecanut		
		1 7 7		: A T :	. TY 1	, .			
143.	Mate		rrectly	with Lis	tlland	select you	r answer using the codes given below:		
		List – I					List – II		
	(a)	Coconut				1.	Tea mosquito long		
	(b)	Areanut				2.	Tanjore wilt		
	(c)	Cocoa				3.	Koleroga or Mehali		
	(d)	Cashew				4.	Cherelle wilt		
	Code	s:							
		(a)	(b)	(c)	(d)				
	(A)	1	2	3	4				
	(By	2	3	4	1				
	(C)	3	1	2	4				
	(D)	4	3	1	2				

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144.					-		be more after pruning		
	Reason (R) : There is adequate starch reserves in the roots.								
	(A)	•							
	(B) (C)	(A) is tru				e corre	ect explanation of (A)		
	(D)	(A) is fals	•						
145.	` ′	ch List I co				ct your	answer using the codes given be	elow:	
	()	List - I					List - II		
	(a) (b)	Rejuvena Seed prop		-		1. 2.	Eriophyte wilt Rubber		
	(c)	Tapping	pagacio	11		3.	Tea		
	(d)	Coconut				4.	Coffee		
	Code	es:							
		(a)	(b)	(c)	(d)				
	(A)	1	3	4	2				
	(B)	2	4	3	1				
	(C) 4D)	4 3	2 4	1 2	3 1				
	(Ly)	0	*	2	1				
146.				en unde	r inadequate				
	(C)	Arabica o Cocoa	coffee			(B) (D)	Robusta coffee Rubber		
	(()	Cocoa				(D)	Ruodet		
147.	4	alm-unde							
	(i)		_	-	ing perennia	l plant			
	(ii) (Uii		roduces	4-6 tone	s of oil/ha	Itis	a crop of import substitution		
	(Un						a rain fed crop		
		ne stateme	ents:				·		
	100	(i) is alor				(B)	(i) and (ii) are correct		
	ues	(i), (ii) ar	nd (iii) a	re correc	:t	(D)	(i), (ii), (iii) and (iv) are correct		
148.	Cons	sider the fo	ollowing	g stateme	ents:				
		rtion (A)	: Ca	shew an	d Rubber are	top w	orked		
		son (R)			ng old and se		ants		
					ven below cod		25 (4)		
	(A) (B)						ect explanation of (A) ect explanation of (A)		
	(C)	(A) is tru				110 0011	oct exprantation of (11)		
	(D)	(A) is fals	se but (R) is true	5				
149.	Mate	ch the follo	owing:						
		List – I					List – II		
	(a)	Tea				1.	Palmae		
	(b)	Coffee				2.	Euphorbiaceae		
	(c)	Rubber				3.	Rubiaceae		
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	(d)	Arecanut				4.	Camelliaceae
		(a)	(b)	(c)	(d)		
	LAY	4	3	2	1		
	(B)	1	2	3	4		
	(C)	3	4	2	1		
150	(D)	4 ose the corr	3	l	2		
10(7.	C1)00		ect ansv	WEI.			**************************************
	(-)	List – I				,	List – II
	(a)	Coffee Rubber				1. 2.	China Ethiopia
	(b)	Tea				3.	Malaysia
	(d)	Arecanut				4.	Philippines
	()	(a)	(b)	(c)	(d)		, and the second
	L(A) /		3	1	(u) 4		
	(B)	I	4	3	2		
	(C)	3	2	1	4		
	(D)	4	3	2	1		
151.		Suryamul		ariety of		man?	D 1-: -
	(A) (C)	Ash gourd Snake gou				(B)	Pumpkin Bitter gourd
	(0)	Shake got	.iru			(ப)	Ditter godia
152.	The	quantity of	pea see	ds requi	red for plan	nting 5	hectares is
	(A)	1000 kg				LABY	3
	(C)	1500 k g				(D)	250 kg
153.	Whi	ch one of th	ne follow	ing is co	rrectly mat	ched?	
	(A)				_		enaria siceraria
		Snake gou			_		hosanthes anguina
	(C)	Bottle gov	ırd		_		a acutangula
	(D)	Bitter gou	ırd		_	Cuc	<u>umis sativus</u>
154	ግኑ «	d) (D)	WD 1) in		المممماميين	i	
104.		Moringer	W D-1) 18	a variet	y released	(B)	Carrot
,	4.0	Curry lea	f			(D)	Chilli
	10)	curry roa	•			(3)	······
155.		ing occurs i			0		
	(A)	-	_	ž		(B)	High nitrogen
	uch	Low temp	erature			(D)	Low nitrogen
156.	Mate	ch list I cor	rectly w	ith list I	I and select	t your	answer using the codes given below:
		List - I					List – II
	(a)	Musk mel				1.	Cucurbita pepo
	(b)	Bottle gou				2.	Trichosanthes dioica
	(c)	Pointed g				3.	Cucumis melo
	(q)	Summer	squash			4.	Lagenaria siceraria
HC/	12					24	

Codes:

	(a)	(b)	(c)	(d)
MAY	3	4	2	1
(É)	4	3	2	1
(C)	3	2	4	1
(D)	1	3	2	4

157. Seed rate for F1 Hybrid Brinjal

(A) 400 g (C) 200 g

- (B) 500 g
- (D) 75 g

158. In chowchow, consider the statements:

- (i) Use of the perennial line
- (ii) Richest among gourds in nutritive value

(4.jii) (4.jv) Roots develops into tuber and eaten

Propagated through seeds

Of the above

(A) (i) alone is correct

- (B) (i) and (ii) are correct
- (E) (i), (ii) and (iii) are correct
- (D) All are correct

159. Which one of the following is correctly matched?

(A) Cluster beans

- Rajini

∠(B) French bean

Arka anoop

(C) Dolichos bean

- Pusa mausami

(D) Pea

Arka vijay

160. Match list I correctly with list II and select your answer using the codes given below:

List – I

List - II

- (a) Cabbage
- a) Cabbage
- (b) Tomato
- (c) Carrot
- (3) (1 1:7)

- 1. Root split
- 2. Whip tail
- 3. Bolting

(d) Cauliflower

- 4. Blossom end rot
- (a) (b) (c) (d) (A) 3 2 1 4 2 (B) 3 1 4 2 (C) 4 3 1 2 L(D) 3 4 1

161. Which one of the following is correctly matched?

Sl.No.	Crop	Nursery duration (days)
(A)	Chilli	50
(B)	Brinjal	35
uer	Tomato	25
(D)	Onion	30

162.	The	Yellow Mosaic Virus is spread by		
	A	White fly	(B)	Thrips
	(C)	Beetle	(D)	Aphids
163.				50 ppm can be sprayed 15 days after solving
	(A)			4 sprays with seven days interval
1.6.4	(C)	2 sprays twice in a week	(D)	, ,
	111	Rosa multiflora	(B)	tstock in budding and grafting garden roses' Rosa hybrida
	(C)	Rosa gallica		Rosa chinensis
165	Whi	ch one of the following chrysanthemum	tune	is correctly matched?
		Korean single -	Card	
	(B)	Decorative -	Dane	
	(C)	Anemone -	Dolly	
	(D)	Pompon -	Grad	e land
166.	Iden	tify the family of Gladiolus		
	(A)	[*] Iridaceae	(B)	Acanthaceae
	(C)	Euphorbiaceae	(D)	Rubiaceae
167.	Whic	ch of the following crop requires shade	for its	cultivation?
	(A)	Lily	(B)	Gladiolus
	(C)	Rose	(D)	Anthurium
168.	Yello	ow Reagan is an important variety of		
	(A)	Cut Chrysanthemum	(B)	Gerbere
	(C)	Anthurium	(D)	Gladiolus
169.	Flow	er yield per hectare of Jathi malli CJ. (grandi	iflorum is
	(A)		(B)	4-6 t/ha
	(C)	9–11 t/ha	(D)	15–17 t/ha
170.	Cons	sider the statements :		
	In ch	nrysanthemum crop		
	(i)	1,11,000 suckers are required/ha	(ii)	Root dipping may be done in carbendazim la
	-(⊢ii			ters are planted during Mar-Apr -(tijv)
	Of th	Pinching is done 5 weeks after planting above statements :	ng	
	(A)	(i) alone is correct	LCRST	(i) and (ii) are correct
	(C)	(i), (ii) and (iii) are correct	(D)	All are correct
771	. ,		` ,	
1/1.		ose the correct answer: crease the yield in chrysanthemum		
	A 500 10	Spray G.A. at 50 ppm=30, 45 and 60 d	กบร อ	fter planting
	(B)	Spray ascorbic acid 1000 ppm	-y 0 a1	- Francisco
	(C)	Dip seedlings in CCC 5000 ppm		

HC/12 26

The concrete recovery of Jasminum grandiflorum is (M) 250 to 340 g of concrete/100 kg of flowers (B) 1 kg of concrete/100 kg of flowers (C) 100 g of concrete/100 kg of flowers (D) 750 g of concrete/100 kg of flowers 173. Assertion (A) : The pests of Senna are controlled by spraying neem seed Kernal extract Reason (R) : Medicinal plant produces are to be exported without any pesticide residue-Now select your answor according to the coding schemes given below: (A) Both (A) and (R) are correct and (R) is the correct explanation of A (B) Both (A) and (R) are correct but (R) is not the correct explanation of A (C) (A) is true (R) is false (D) (A) is false (R) is true 174. Senna is the native of (A) Yemen (B) Asia (C) Persia (D) Hungary 175. ALFT '2' is the variety released in (A) Senna (B) Pyrethrum (C) Gloriosa (D) Catharanthus 176. Digitalis belongs to the family (A) Euphorbiaceae (B) Scrophcelariaceae (C) Polygoneaceae (D) Solanaceae 177. Digitalis is a crop (A) Annual (B) Biennial (C) Perenial (D) Plur-Annual 178. The botanical name of Alexandrian senna is (A) Cassio augustifotia (D) Cassio samea 179. The quantity of vincristine alkaloid content in the roots of Cothoranthus roseus is (A) 0.0 to 0.25% (B) 0.25 to 0.50% (B) 0.25 to 0.50% (C) 0.75 to 1.20% (D) 1.75 to 2.00% 180. Consider the following statements: Assertion (A) : Catharanthus is found growing commercially all over the country. Reason (R) : Being unique in curing cancer and blood pressure. Select the answer from the given below code: (A) Both (A) and (R) are true, (R) is not the correct explanation of (A) (B) Both (A) and (R) are true, (R) is not the correct explanation of (A)	172.	Choc	se the correct answer :					
(B) 1 kg of concrete/100 kg of flowers (C) 100 g of concrete/100 kg of flowers (D) 750 g of conrete/100 kg of flowers (D) 750 g of conrete/100 kg of flowers (D) 750 g of conrete/100 kg of flowers (Eason (R) : The pests of Senna are controlled by spraying neem seed Kernal extract Reason (R) : Medicinal plant produces are to be exported without any pesticide residue. Now select your answer according to the coding schemes given below: (LAY Both (A) and (R) are correct and (R) is the correct explanation of A (B) Both (A) and (R) are correct but (R) is not the correct explanation of A (C) (A) is true (R) is false (D) (A) is false (R) is true 174. Senna is the native of (LAY Yemen (B) Asia (C) Persia (D) Hungary 175. ALFT '2' is the variety released in (LAY Senna (B) Pyrethrum (C) Gloriosa (D) Catharanthus 176. Digitalis belongs to the family (A) Euphorbiaceae (B) Scraphcelariaceae (C) Polygoneaceae (D) Solanaceae 177. Digitalis is a crop (A) Annual (B) Biennial (C) Perennial (D) Plur-Annual 178. The botanical name of Alexandrian senna is (A) Cassia angustifolia (D) Cassia siamea 179. The quantity of vincristine alkaloid content in the roots of Cathoranthus roseus is (A) (10 to 0.25% (B) 0.25 to 0.50% (C) 0.75 to 1.20% (D) 1.75 to 2.00% 180. Consider the following statements: Assertion (A) : Catharanthus is found growing commercially all over the country. Reason (R) : Being unique in curing cancer and blood pressure. Select the answer from the given below code: (A) Both (A) and (R) are true, but (R) is the correct explanation of (A) (B) Both (A) and (R) are true, but (R) is the correct explanation of (A)		The concrete recovery of Jasminum grandiflorum is						
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(75. ALFT '2' is the variety released in (A) Senna (B) Pyrethrum (C) Gloriosa (D) Catharanthus (B) Pyrethrum (C) Gloriosa (D) Catharanthus (C) Polygoneaceae (C) Polygoneaceae (D) Solanaceae (E) Polygoneaceae (D) Solanaceae (E) Polygoneaceae (D) Plur-Annual (E) Perennial (D) Plur-Annual (E) Cassia acutifolia (C) Cassia alata (D) Cassia siamea (E) Cassia siamea (II) Cassia siamea		(A)	Yemen	(B)	Asia			
(C) Gloriosa (B) Pyrethrum (C) Gloriosa (D) Catharanthus 176. Digitalis belongs to the family (A) Euphorbiaceae (C) Polygoneaceae (C) Polygoneaceae (D) Solanaceae 177. Digitalis is a crop (A) Annual (B) Scrophcelariaceae (C) Polygoneaceae (D) Solanaceae 178. The botanical name of Alexandrian senna is (A) Cassio angustifolia (C) Cassia alata (D) Cassia siamea 179. The quantity of vincristine alkaloid content in the roots of Catharanthus roseus is (A) 0.10 to 0.25% (B) 0.25 to 0.50% (C) 0.75 to 1.20% (D) 1.75 to 2.00% 180. Consider the following statements: Assertion (A): Catharanthus is found growing commercially all over the country. Reason (R): Being unique in curing cancer and blood pressure. Select the answer from the given below code: (A) Both (A) and (R) are true, but (R) is the correct explanation of (A) (B) Both (A) and (R) are true, (R) is not the correct explanation of (A)		(C)	Persia	(D)	Hungary			
(C) Gloriosa (B) Pyrethrum (C) Gloriosa (D) Catharanthus 176. Digitalis belongs to the family (A) Euphorbiaceae (C) Polygoneaceae (C) Polygoneaceae (D) Solanaceae 177. Digitalis is a crop (A) Annual (B) Scrophcelariaceae (C) Polygoneaceae (D) Solanaceae 178. The botanical name of Alexandrian senna is (A) Cassio angustifolia (C) Cassia alata (D) Cassia siamea 179. The quantity of vincristine alkaloid content in the roots of Catharanthus roseus is (A) 0.10 to 0.25% (B) 0.25 to 0.50% (C) 0.75 to 1.20% (D) 1.75 to 2.00% 180. Consider the following statements: Assertion (A): Catharanthus is found growing commercially all over the country. Reason (R): Being unique in curing cancer and blood pressure. Select the answer from the given below code: (A) Both (A) and (R) are true, but (R) is the correct explanation of (A) (B) Both (A) and (R) are true, (R) is not the correct explanation of (A)								
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(A) Euphorbiaceae (C) Polygoneaceae (D) Solanaceae 177. Digitalis is a crop (A) Annual (B) Biennial (C) Perennial (D) Plur-Annual 178. The botanical name of Alexandrian senna is (A) Cassia angustifolia (C) Cassia alata (D) Cassia siamea 179. The quantity of vincristine alkaloid content in the roots of Catharanthus roseus is (A) 0.10 to 0.25% (B) 0.25 to 0.50% (C) 0.75 to 1.20% (D) 1.75 to 2.00% 180. Consider the following statements: Assertion (A) : Catharanthus is found growing commercially all over the country. Reason (R) : Being unique in curing cancer and blood pressure. Select the answer from the given below code: (A) Both (A) and (R) are true, but (R) is the correct explanation of (A) (B) Both (A) and (R) are true, (R) is not the correct explanation of (A)	176	Diair	talis halangs to the family					
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(A) Cassia angustifolia (C) Cassia alata (D) Cassia siamea 179. The quantity of vincristine alkaloid content in the roots of Catharanthus roseus is (A) 0.10 to 0.25% (B) 0.25 to 0.50% (C) 0.75 to 1.20% (D) 1.75 to 2.00% 180. Consider the following statements: Assertion (A) : Catharanthus is found growing commercially all over the country. Reason (R) : Being unique in curing cancer and blood pressure. Select the answer from the given below code: (A) Both (A) and (R) are true, but (R) is the correct explanation of (A) (B) Both (A) and (R) are true, (R) is not the correct explanation of (A)		(C)	Perennial	(D)	Plur-Annual			
(A) Cassia angustifolia (C) Cassia alata (D) Cassia siamea 179. The quantity of vincristine alkaloid content in the roots of Catharanthus roseus is (A) 0.10 to 0.25% (B) 0.25 to 0.50% (C) 0.75 to 1.20% (D) 1.75 to 2.00% 180. Consider the following statements: Assertion (A) : Catharanthus is found growing commercially all over the country. Reason (R) : Being unique in curing cancer and blood pressure. Select the answer from the given below code: (A) Both (A) and (R) are true, but (R) is the correct explanation of (A) (B) Both (A) and (R) are true, (R) is not the correct explanation of (A)								
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Reason (R): Being unique in curing cancer and blood pressure. Select the answer from the given below code: (A) Both (A) and (R) are true, but (R) is the correct explanation of (A) (B) Both (A) and (R) are true, (R) is not the correct explanation of (A) 47 HC/1	180.	Cons	sider the following statements :					
Select the answer from the given below code: (A) Both (A) and (R) are true, but (R) is the correct explanation of (A) (B) Both (A) and (R) are true, (R) is not the correct explanation of (A) 27 HC/1		Asse	rtion (A) : Catharanthus is found g	rowin	g commercially all over the country.			
(A) Both (A) and (R) are true, but (R) is the correct explanation of (A) (B) Both (A) and (R) are true, (R) is not the correct explanation of (A) 27 HC/1		Reas	son (R) : Being unique in curing o	ancer	and blood pressure.			
(B) Both (A) and (R) are true, (R) is not the correct explanation of (A) 27 HC/1		Selec	ct the answer from the given below code	e:				
(B) Both (A) and (R) are true, (R) is not the correct explanation of (A) 27 HC/1					ect explanation of (A)			
		(B)	Both (A) and (R) are true, (R) is not the	e corr	ect explanation of (A)			
				0.7	** ~ I			
[Turn ove				ZI				
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(D) Soak seedlings in sodium hypochloride 5-7 ml/lit of water

	(C) (D)		ue but (R lse but (F						
181.	Senna is gaining popular in India because (A) It grows over sand dunes (B) It can be maintained as perennial crop (C) The medicinal value of leaves and Pods as laxative (D) It requires assured irrigation								
	Glori (A) LEY	<u>osa supe</u> Seeds Tuber	<u>rba</u> is cor	nmercia	ally propagat	(B) (D)	Stem cuttings Root slip		
183.	Matc	h the fol							
	List - I (a) Digitalis (b) Catharanthus (c) Senna						List – II Leguminaceae Asteraceae Scropholtariaceae		
	(d)	Pyrethr	um			4.	Apocynaceae		
	Code	:							
	1	(a)	(b)	(c)	(d)				
	(IX)	3	4	1	2				
	(B)	2	2 3	3 2	4 3				
	(C) (D)	4	I	4	1				
184. Lemon grass belongs to the family AAY Poacea						(B)	Euphorbiaceae		
	(C)	Myrtace	eae			(D)	Lamiaceae		
185.	The (i)				er is				
	·(\(\frac{1}{2}\)\(\f						Linolol		
	-(Lipy)						Palmitic acid		
	Selec	et your a							
	(A)	(i) is cor (i), (ii) a	rect nd (iii) ai	e correc	et	(B) (D)	(i) and (ii) are correct (i), (ii) and (iv) are correct		
Assertion (A): In Palmarosa, lemongrass, the essential oils are extracted from leaves Reason (R): Muit is propagated by cuttings in sand beds Now select your answer according to the coding scheme given below: Both (A) and (R) are true and (R) is not the correct explanation of (A) (B) Both (A) and (R) are true and (R) is the correct explanation of (A)									
HC/	12					28			

		(A) is true, (R) is false (A) is false, (R) is true					
187.	Which one of the following						
	(A)	Vettiver					
	By	Patchouli					
		Ocimum basilicum					
		Citronella					

188. Quality palmarosa oil is distilled by

(A) Hydro-distillation

(C) Super critical fluid extraction

Suckers

is correctly matched?

Cuttings

Tissue culture plants Cuttings

(B) Steam-distillation

(D) Enfluerage

189. Patchoali is commercially propagated by

(A) Cuttings

(B) Seeds and cuttings

(C) Slips

(D) Off shoots

190. Match the following:

(a) Palmarosa grass

- (b) Lemon grass
- (c) Vettiver
- (d) Citronella grass
 - (a) (b) (c) (d)
- (A) 1 4 3 2 (B) 2 3 1 4
- (C) 3 2 4 1
- (D) 2 4 2 1

- 1. <u>Vetiveria zizonoides</u>
- 2. Cymbopagan martinii
- 3. Cymbopagan flexuosus
- 4. Cymbopagan winterianus

191. The herbage yield of Geranium/ha is

(A) 10-15 t/ha

(B) 16-19 t/ha

(C) 20-25 t/ha

(D) 26-30 t/ha

192. Geranium is affected by

(A) Nematodes

(B) Leaf spot

(C) Powdery Mildew

(D) Leaf eating caterpillar

193. Ikebana is a type of

(A) Bonsai

(B) Cacti

(C) Cut green

(D) Flower arrangement

194. The following season and colour of flowers of certain ornamental trees are given below:

•	Tree				Colour		Season of flowering			
	(i)	(i) Peltophorum			Yellow		Feb	ruary-May		
	(ii)	(ii) <u>Delonix</u>			Red		May-June			
	(Ugi	(Upii)			Lagerstroemi		ia Yellow June-July			
	The	correct co	lour and	l season	of flowe	ering				
	(A)	(i) and (i	ii) are co	orrect			(B)	(ii) and (iii) are correct		
	(i) and (ii) are correct						(D) All are correct			
195.	Whi	ch one of t								
	(A)	<u>Hamelia</u>	patens			_	Yellow flower			
		<u>Holmski</u>		nguinea	- White flower		Red flower			
		<u>Cassia</u> fi								
	(D)	<u>Cestrum</u>	durnun	n		_	Blue	e flower		
196.	Cons	Consider the statements:								
	(i)	Ficus rep	vens is a	climbe	r grown	for at	tracti	ve foliage		
	(ii) Bignonia venusta is a climber train							d as screens in gorden		
	(l-ii	.i)					Allamanda is a climber for arches			
	-(+-jv)						Bougainvillea is a climber on trees			
	(A) (i) alone is correct						(B)	(B) (i) and (ii) are correct		
(C) (i), (ii) and (iii) are corr				ect		(D) All are correct				
197.	Whi	ch one of the following succulents is correctly matched?								
(A) Agave							Aizoaceae			
	(B) Aloe					-	Liliaceae			
(C) Cotyledon						Amaryllidaceae				
	(D)	Lithops				-	Cras	ssulaceae		
198	Mate	ch list I co	orrectly v	with list	t II and	select	ะเกษา	answer using the codes given below :		
200.		List – I					<i>y</i> = 0.12	List - II		
	(a)	Mammil	laria				1.	Succulent		
	(b)	Agave	latta				2.	Cactus		
	(c)	Iris					3.	Climber		
	(g)	Star Jas	mine				4.	Bulbous plant		
		(a)	(b)	(c)	(d)			•		
	(A)	3	4	2	1					
	(B)	1	3	2	4					
	(C)1	2	1	4	3					
	(D)	4	2	1	3					

HC/12

199	Annual	used	for	screening	nurnose
100.	Alliuai	useu	101	SCIECHINE	barbose

(A) Phlox

(B) Daisy

(C) Hollyhock

(D) Zianic

200. Art of training plants into different shapes is known as

(A) Hedges

(B) Edges

(C) · Topiary

(D) Trophy