Sl. No.: 80001001

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Register Number					

2014 HORTICULTURE

Time Allowed: 3 Hours]

[Maximum Marks: 300

ACTUO

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

IMPORTANT INSTRUCTIONS

- This Booklet has a cover (this page) which should not be opened till the invigilator gives signal to open
 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. Prior to attempting to answer the candidates are requested to check whether all the questions are there in series without any omission and ensure there are no blank pages in the question booklet. In case any defect in the Question Paper is noticed it shall be reported to the Invigilator within first 10 minutes.
- 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 not write anything else on the Question Booklet.
- 5. An answer sheet will be supplied to you separately by the invigilator to mark the answers.
- 6. You will also encode your Register Number, Subject Code, Question Booklet Sl. No. etc. with Blue or 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, action will be taken as per commission's notification.
- 7. Each question comprises four responses (A), (B), (C) and (D). You are to select ONLY ONE correct response and mark in your Answer Sheet. In case you feel that there are more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each 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 circles (A), (B), (C) and (D) against each question. To answer the questions you are to mark with Blue or Black ink Ball point pen ONLY ONE circle 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 • © 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.
- 10. The sheet before the last page of the Question Booklet can be used for Rough Work.
- 11. Failure to comply with any of the above instructions will render you liable to such action or penalty as the Commission may decide at their discretion.
- 12. In all matters and in cases of doubt, the English Version is final.
- 13. Do not tick-mark or mark the answers in the Question booklet.

SPACE FOR ROUGH WORK

10010008

1.	Splitt	ing of root is a physiological disorder	in carro	ot caused by
	(A)	High temperature	(B).	Very low temperature
	JOY	Sudden increase in moisture level	(D)	High salinity
2.	Which	h of the following is called 'mini cabb	age'?	
	(A)	Broccoli	LBT	Brussels sprout
	(C)	Red cabbage	(D)	Rhubarb
3.	Whic	h of the following is not correct?		
	(A)	Chekkurmanis - Sauropus androgy	nus	
	(B)	Celery - Apium graveolens		
	(C)	Globe artichoke – Cyanara scolymu	s	
	CON'	Leek – Lactuca sativa		
4.	Ratoo	oning is practiced in		
	(A)	Annual moringa	(B)	Brinjal
	(C)	Bhendi	(D)	Chilli
5.	'Guar	gum' is obtained from .	7 i	
	(A)	Couper	(B)	Cluster bean
	(C)	Garlic	(D)	French bean
6.	Gher	kins are commercially used for makin	ng	
	(A)	Salad	(B)	Pickles
	(C)	Chips	(D)	Sauerkraut
7.	The s	pecies of pumpkin tolerant to high te	mperati	are is
	(A)	Cucurbita maxima	(B)	Cucurbita pepo
	(C)	Cucumis sativus	(D)	Cucumis anguina
8.	The r	ursery area required to plant five he	ctares o	f brinjal is
	(A)	800 m ²	(B)	4 cents
	(C)	500 m ²	(D)	25 cents
9.	Evap	orative cooling system will work effic	iently ir	places having
	(A)	Low temperature	(B)	High relative humidity
	cer	Low relative humidity	(D)	High temperature

10.	w nic	n one of the following is not correct?		
	(A)	Chillies - Capsaicin	(B)	Bittergourd - Mornordicin
	(C)	Garlie – Allicin	Or.	Tomato - Solasodine
11.	The s	eedlings produced in modular trays ar	e calle	ed
	(A)	Stump	(B)	Micro liners
	Jes	Plug	(D)	Sett
12.	'Gaje	ndra' is a variety of		
	(A)	Taro	(B)	Sweet potato
	ver	Elephant foot yam	(D)	Greater yam
13.	Amor	ng the solanaceous vegetables the seed	rate is	s high for
	(A)	Tomato	(B)	Brinjal
	Jes	Chillies	(D)	Tomato and Brinjal
14.	Seed	balls containing one or many seeds are	found	d in
	(A)	Coriander	(B)	Carrot
	ser	Beetroot	(D)	Turnip
15.	Best	grades of gherkins are produced w	hen it	is harvested — days after
	SAS	4th and 5th day	(B)	6th and 7th day
	(C)	8th and 9th day	(D)	10 th and 11 th day
16.	The o	only seed setting variety of aggregate o	nion is	
	(A)	Co-1	(B)	Co-2
	(C)	Co-4	(D)	Co-5
17.	Whie	h one of the following is not a perennia	ıl vege	table?
	(A)	Chekkurmanis	(B)	Asparagus
	(C)	Artichoke	SDT.	Cabbage

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18.	Mos	Most of the cultivars of big onion are long day plants and long days								
	CAS	Has	ten bulb	formati	on		(B)	Increase vegetative growth		
	(C)	Indi	ace flowe	ering			(D)	Induce seed setting		
19.	Amo	ng the	followin	ng vegeta	ables w	hich is no	rmally	y planted on both the sides of ridges?		
	(A)	Pota	ato .				(B)	Onion		
	(C)	Bhe	ndi				(D)	Carrot		
20.	The	preser	it produ	ction of v	egetab	le crops in	India	a is about		
	(A)	102	million	tonnes			(B)	132 million tonnes		
	Jes"	162	million	tonnes			(D)	182 million tonnes		
21.	Mate	ch List	1 with	List 2 an	d selec	t the corre	ct ans	swer using the code given below the lists		
		List 1				List 2				
	(a)	Kotta	ivazhai		1.	MH				
	(b)			2.	2,4 D					
	(c)		ripenin		3.	NAA				
	(d)	Dorm	ancy		4.	Ethrel				
	Code	:								
		/ \	4.		(3)					
	· (A)	(a)	(b)	(c)	(d)					
	(A) (B)	3 2	3.	4	1					
	(B)	2	3	1 4	4					
	(D)	3	2	1	1 4		44/1			
	(D)		4	1	4					
22.	Mate			List 2 an	d selec		ct ans	swer using the code given below the lists		
	(-)	List 1				List 2	1			
	(a)	Smud			1.	Silver oa	ıK			
	(b) (c)	Copp			2.	Fig				
	(d)	Notch			4.	Mango Eucalypt	tuo			
	Code		mg		7.	Eucarypi	Lus			
	Couc									
		(a)	(b)	(c)	(d)					
	(A)	4	3	2	1					
	(B)	3	4	1	2					
	(C)	3	4	2	1					
	(D)	4	1	3	2					

23. Match List 1 with List 2 and select the correct answer using the code given below the sts

List 1

List 2

(a) Lawn

- 1. Drip irrigation
- (b) Bottle gourd
- . 2. Misting
- (c) Carnation
- 3. Sprinkler irrigation

(d) Coconut

4. Furrow irrigation

Code:

- (a)
- (b)

2

1

3

(d)

1

1

4

4

- CAS
- .
- (B) 3
- 4

(c)

- (C) 3
- 4
- (D) 2
- 2
- 24. Match List 1 with List 2 and select the correct answer using the code given below the lists

List 1

List 2

(a) Isabgol

1. Colchicine

(b) Gloriosa

2. Roots

(c) Senna

- 3. Husk
- (d) Sarpagandha
- 4. Leaves

Code:

- (a)
- (b)

1

1

(d)

3

4

2

1

- (A) 4
- (c) 2
- (B) 3
- 2
- 1

- (D) 4
- 4
- 2 3
- 25. The seeds of seedless watermelon are produced by crossing a tetraploid with a deploid
 - (A) Not correct
 - (B) Not possible
 - 105
 - Correct
 - (D) Will be a failure

20.	Asse	ruon (A).	Mulching in Turmer	ic is done six	months after planting						
	Reas	on (R):	Mulching can be don trash	ne with green	leaves or banana preudoster	n or sugarcane					
	(A)	A is true	and R is false								
	(B)	Both A a	and R are true								
	(C)	Both A a	and R are false								
	(B)	R is true	e and A is false			4					
27.	Asse	rtion (A): Bitter pit in Apple is due to Calcium deficiency									
1 × 1	Reas	on (R):	Bitter pit causes cole	our change in	fruits and develops cracks						
	JAS	Both A a	and R are true								
	(B)	Both A a	and R are false .								
	(C)	A is true	but R is false								
	(D)	R is true	and A is false								
28.	Asse	rtion (A):	Edible bananas are p	parthenocarp	ic						
	Reas	on (R):	Edible bananas deve	elop fruits wi	thout pollination						
	(A)	Both A a	and R are true								
	(B)	A is true	but R is false								
	(C)	Both A a	and R are false								
	(D)	A is false	e but R is true								
29.	Cons	ider the st	catements								
	I	Propping	is done in banana								
	II	Denavelin	ng is practised in grap	oes							
	Ш	Desucker	ing is followed in citr	us							
	IV	Notching	is done in mango								
	JAY	I alone is	s correct	(B)	I and II are correct	4					
	(C)	I, II and	III are correct	(D)	I and IV are correct						
30.	Cons	ider the st	atements								
	I	Multitier	cropping involves int	ercropping a	nd mixed cropping						
	II	In multiti	ier cropping land is ef	fectively used	d						
	III	In multiti	ier water is effectively	used							
	IV	In multiti	ier sun light is not eff	ectively used							
	(A)	I alone is		(B)	II and III are correct						
	JOY	I, II and	III are correct	(D)	I, III and IV are correct						
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01.	Cons	idei the statements		
	I	Notching is a partial ringing of a b	ranch abo	ve a dormant lateral bud
	II	Notching produces a strong shoot		
	III	Notching reduces the supply of wa	ter from b	elow through the xylem
	IV	Notching is otherwise called as rin	ging	
	SHO	I and II are correct	(B)	I, II and III are correct
	(C)	III and IV are correct	(D)	II and IV are correct
32.	The	vegetable which does not belong to	cucurbitac	eae is
	(A)	Gherkin	(B)	Tinda
	ser	Knol-khol	(D)	Pointed gourd
33.		can be economically grow	wn under i	rain fed conditions
	(A)	Gloriosa	(B)	Coleus
	ser.	Senna	(D)	Brahmi
34.	Cent	ering is the practice followed in		
	(A)	Cashew	(B)	Coffee
	(C)	Areca nut	(D)	Tea
35.	The	nitrogen content in FYM is	- / *	
	(A)	1.0 - 1.5%	(B)	0.05 - 0.07%
	(C)	2.0 – 2.5%	(8)	0.5 - 0.7%
36.	Whic	ch one of the following growth regul	ators is us	sed to increase latex flow in rubber?
	(A)	GA₃	(B)	BA
	(C)	IAA	SON	Ethrel
37.	Sod	culture reduces the incidence of —	1	— in mango
	(A)	Malformation	(B)	Black-tip
	(C)	Fruit drop	(D)	Spongy tissue
38.	Quir	ncunx system of planting is otherwi	se called a	as a second seco
	(A)	Triangular system	(B)	Diagonal system
	(C)	Hexagonal system	(D)	Square system
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39.	•			quick gr	rowing f	ruit crops which	ch are grown as intercrops in fruit orchards
	CAS	Filler	S			(B)	Cover crops
	(C)	Trap	crops			(D)	Tier crops
40.	Leaf	mould	is rich i	in			
	LAY	Hum	us			(B)	Potash
	(C)	Phosp	ohoric a	acid		(D)	Phosphorus
41.	Mate	h the fo	ollowin	g			
		Name	of the c	crops		Presence of e	sters
	(a)	Grapes	S		1.	Pentyl valera	ate
	(b)	Apple			2.	Ethyle butyr	
	(c)	Orang			3.	Methyle salid	
	(d) Code	Strawl:	perry		4.	Octyl acetate	
		(a)	(b)	(c)	(d)		
	(A)	3	1	2	4		
. 7	(B) (C)	3	2	1 2	4		
		3	1	4	2		
42.				ing is re	sistant	to cold injury?	
	(A)	Cucui	mber		100	(B)	Chilli
	JOY	Aspai	ragus			(D)	Musk melon
43.	Natio	onal Re	search	Centre f	or orchi	ds is located at	
	(A)	Solan	, Hima	chal		(B)	Bhubaneshwar, Orisa
	vor	Pakyo	ong, Sil	kkim		(D)	Medziphema, Nagaland
44.	Whic	h form	of suga	r is pred	lominar	itly present in	grapes at ripening?
	(A)	Lacto	se			(B)	Glucose
	(C)	Malto	ose			(D)	Hemi cellulose
45.	WTO	is loca	ted at				
1%	(A)	Berlin	n, Gern	nany		.085	Geneva, Switzerland
	(C)		Franc			(D)	Rome, Italy

46.	Nam	e the fruit crop having the high	est fat conten	t in a land
	(A)	Date palm	BY	Avocado
	(C)	Custard apple	(D)	Litchi
47.	Arou	nd 70 percent of potato was exp	oorted from In	dia during 2012-13 to
	(A)	United Arab Emirates	CBY*	Nepal
	(C)	Malaysia	(D)	Bangladesh
48.	Nam	e the country importing 60 per	cent of the ma	ngo from India during 2012-13
	(A)	Bangladesh	(B)	United Arab emirates
	(C)	United kingdom	(D)	Malaysia
49.	The l	eading tapioca producing state	in India duri	ng 2012-13 was
	(A)	Kerala	JOBY	Tamil Nadu
	(C)	Madhya Pradesh	(D)	Andra Pradesh
50.	Nam	e the state standing first in ma	ngo productio	n in India during 2012-13
	(A)	Gujarath	(B)	Karnataka
	(C)	Uttar Pradesh	(D)	Andhra Pradesh
51.		ng the several states, the top fo	our states of In	ndia, producing fruits are as follows as per
	LAS	Andhra > Maharastra > Guja	rath > Tamil	Nadu
	(B)	Tamil Nadu > Gujarath > An	dhra > Mahar	astra
	(C)	Gujarath > Tamil Nadu > An	dhra > Mahar	astra
	(D)	Maharastra > Tamil Nadu >	Andhra > Guj	arath
52.	Amo: 2012		he one cultiva	ated in the maximum area in India during
	(A)	Onion	(B)	Tomato
	Jes	Potato	(D)	Brinjal
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53.	Avera	age productivity of horticultural crop	s in Indi	a during 2007-08 was
	(A)	9.3 tonnes per hectare	(B)	11.3 tonnes per hectare
	(C).	13.3 tonnes per hectare	(D)	17.3 tonnes per hectare
54.	Total	geographical area in India is		
	(A)	629 million hectare	(B)	529 million hectare
	(C)	429 million hectare	or	329 million hectare
55.	Natio	onal Bureau of Plant Genetics resour	ces is loc	ated at
	(A)	Bangalore	(B)	Nagpur
	CON	New Delhi	(D)	Karnal
56.	Natio	onal Research Centre for pomegrana	to is local	tad at
00.	(A)	Solapur, Maharastra	(B)	Bijapur, Karnataka
	(C)	Anantapur, Andhra Pradesh	(D)	Jagdalpur, Chattisgarh
57.	Cent	ral Institute of Arid Horticulture is l	ocated at	
	(A)	Rajah mundry, Andra Pradesh	(B)	Nagpur, Maharashtra
	(C)	Kanpur, Uttar Pradesh	vor	Bikaner, Rajasthan
58.	The S	Science of growing and caring of orns	mental t	rees is called
	(A)	Viticulture	(B)	Pomology
	(C)	Olericulture	(D)	Arboriculture
59.	Hydr	oponics is an art of growing plants		
	(A)	Without soil and nutrients	BY	Without soil alone
*	(C)	Without nutrients and chemicals	(D)	Without nutrients alone
60.	Amor	ng the following, the maximum conte	ent of car	bohydrate is found in
	(A)	Banana fruit	(B)	Sweet potato tuber
	ser	Dates	(D)	Avocado fruits

61.	Japan	nese art of growing miniature trees	and shru	bs is called as
	(A)	Terrarium	(B)	Arboratium
	ser	Bonsai	(D)	Pot Pourri
62.	Exam	ple for a foliage tree is		
	(A)	Cassia fistula	CBS*	Polyalthia longifolia
	(C)	Delonix regia	(D)	Bauhinia purpurea
63.	Exam	ple for herbaceous perennial is		
	JAS"	Golden red	(B)	Zinnia
	(C)	Cosmos	(D)	Balsam
64.	A non	a-flowering climber with attractive f	foliage is	
	(A)	Quisqualis indica	(B)	Allamanda grandiflora
	(C)	Petrea volubilis	Dr	Hedera helix
65.	Suita	ble irrigation system for lawn is		
	(A)	Drip irrigation	(B)	Flood irrigation
	(C)	Pitcher irrigation	son'	Sprinkler irrigation
66.	Botar	nical name for bermuda grass is		
	(A)	Cyprus rotundus	(B)	Cyprus deformis
	CON	Cynodon dactylon	(D)	Lolium multiflorum
67.	Plant	suitable for boundary/tall hedge is		
	(A)	Gerbera	(B)	Coleus
	(C)	Iresine	SEST	Bougainvillea
			Hind	
68.	Yello	w coloured flowering annual is		
	(A)	Rose	(B)	Tuberose
	ser	Marigold	(D)	Bougainuvillea
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69.	Hill g	arden, tea garden and fla	t garden are compoi	nents of
	LAST	Japanese garden	(B)	Moghul garden
	(C)	English garden	(D)	Italian garden
70.	Arto	f training plants into diffe	rent shapes is calle	d as
	(A)	Trophy	(B)	The Part of the Pa
	(C)	Terrarium		Topiary
71.	Frag	rant oil can be extracted f	rom	
	(A)	Crossandra	(B)	Gomphrena
	(C)	Zinnia		Jasmine.
72.	Frier	ndship is a variety of		
	(A)	Jasmine	(B)	Carnation
	(C)	Gerbera	Or .	Gladiolus
73.	The	variety of tomato recomm	ended for rainfed cu	ltivation is
	(A)	Arka Meghali	(B)	CO-3
	(C)	PKM-1	or	Paiyur – 1
74.	Bota	nical name of African ma	rigold is	
	JA)	Tagetes erecta	(B)	Tagetes patula
	(C)	Petunia hybrida	(D)	Helianthus annus
75.	Min	iature roses are ideally su	ited for	
	(A)	Water garden	(B)	Pots
	(C)	Terrarium	(D)	Edges
76.	Tub	erose is propagated by		
	(A)	Rhizomes	(B)	Runners
	SON	Bulbs	(D)	Tubers

11.	Orna	mental paims can be propagated by		
	SAS	Seeds	(B)	Grafting
	(C)	Bulbs	(D)	Budding
78.	Chry	santhemum is a ———— plan	nt	
	(A)	Long day	(B)	Day neutral
	Jer .	Short day	(D)	Photo insensitive
79.	Optin	num spacing for Jasminum sambac	is	
	(A)	90 × 60 cm	(B)	1.0 × 0.5 m
	ser	1.25 × 1.25 m	(D)	2.0 × 0.9 m
80.	Jasm	ine belongs to the family		
	(A)	Acanthaceae	(B)	Apocynaceae
	ses	Oleaceae	(D)	Malvaceae
81.	Bota	nically, pineapple fruit is a		
	(A)	Syconium	(B)	Sorosis
	(C)	Berry	(D)	Balusta
82.	Pome	egranate is commercially propagated	l through	
	(A)	Soft wood cuttings	(B)	Grafting
	JOY	Hard wood cuttings	(D)	Suckers
83.	For f	lowering, the chilling temperature r	equireme	nt of strawberry plants is
	(A)	Below 0°C	(B)	Below 5°C
	(C)	Below 10°C	(D)	Below 15°C
84.	In se	lf unfruitful pear varieties a polleni	zer should	d be planted at
	SAT	Every 4th tree in every 4th row	(B)	Every 5th tree in every 5th row
	(C)	Every 6th tree in every 6th row	(D)	Every 7th tree in every 7th row

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85.	The a	mount seeds required to raise seedling	ig for or	ne hectare of papaya is
	car	500g	(B)	1,000g
	(C)	1,500g	(D)	2,000g
86.	For lo	ong distance transport strawberries ca	an be ha	arvested when they are
	SAS	Green	(B)	Yellow
	(C)	Red	(D)	Black
87.	The n	nango variety most suited for high de	nsity pl	anting is
	(A)	Sindhu	(B)	Bangalora
	SOY	Amrapali	(D)	Mulgoa
88.	Gran	ulation in citrus can be reduced by sp	raying	
	(A)	Manganese	(B)	Copper
	(C)	Magnesium	(D)	Boron
89.	Bahar	r treatment is practiced in		
	SAT	Citrus, pomegranate and guava	(B)	Mango, sapota and pineapple
	(C)	Apple, pear and plum	(D)	Grapes and papaya
90.	The r	egular bearing mango variety is		
	SAST	Bangalora	(B)	Banganapalli
	(C)	Peter	(D)	Jahangir
91.	Berry	elongation and thinning in grapes is	done w	ith
	(A)	Ethephon	(B)	GA_3
	(C)	NAA	(D)	2, 4-D
92.	In pin	neapple, planting of ———————————————————————————————————	— will d	come to harvest earlier
	(A)	Crowns	(B)	Slips
	ser	Suckers	(D)	Seeds

93.	Find	out the mismatch		
	(A)	Spinach	- Ch	enopodiaceae
	(B)	Multivitamin green	– Eu	phorbiaceae
	ver	Asparagus	- As	teraceae
	(D)	Winged bean	- Fa	baceae
94.	In ha	nana, the fertilizers sh	ould be applied dur	
	and -	month a		mig ,
, TO	(A)	2 nd , 4 th and 6 th	(B)	3rd, 5th and 7th
	(C)	4th, 6th and 8th		6th, 8th and 10th
95.	In Be	r, under rainfed conditi	ons, the radius of sa	aucer basin for rain water harvest should be
	(A)	2 M	(B)	3 M
	(C)	4 M	(D)	5 M
96.	For c	hemical thinning of pea	r fruits, spraying of	NAA @ 25 PPM is done during
	(A)	3-8 days before petal f		3-8 days after petal fall
	(C)	6 weeks after blooming	g (D)	6 weeks before blooming
97.	The v	videly cultivated Indian	Ber is	
	(A)	Zizyphus jujube	(B)	Zizyphus mauritiana
	(C)	Zizyphus rulgaris	(D)	Zizyphs sativa
98	Paddy	y straw mulching is com	mercially followed	for
	(A)	Pineapple	(B)	
	ser	Strawberry	(D)	Peach
99.	Fasci	ation is found in		
	(A)	Guava	(B)	Mango
	Son	Pineapple	(D)	Banana
100.	Bendi	ing is an intercultural o	peration performed	in
	(A)	Papaya	(8)	
	(C)	Sapota	(D)	
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			10	

101	Which	h one of the following is correctly mate	ched?	
	(A) .	Carnauba Wax	-	Provide effective control of weight loss
	(B)	Shellac based waxes		Give best shine
	(C)	Polythene based waxes	-	Cause rind injury
	(D)	Resin based waxes	-	Give low shine
102.	Durii	ng picking, care must be taken to avoi	d any p	possible damages to the
	(A)	Twigs	(B)	Canes
	ser	Spurs	(D)	Buds
103.	Relat	tive humidity should be monitored wit	h	
	(A)	Humidifier	(B)	Hygrometer
	(C)	Tensiometer	(D)	None of the above
104.	Whic	h one of the following is correctly mate	ched?	
	(A)	Very low ethylene production rate		Mango
	(B)	Moderate ethylene production rate	-	Papaya
	(C)	High ethylene production rate	_	Citrus
	(B)	Very high ethylene production rate	-	Passion fruit
105.	Whic	h one of the following is correctly mate	ched?	
	CASA	Polemounted cut and hold picking shears	-	Jack
	(B)	Hook type fruit plucker	-	High density Orchards
	(C)	Mechanical harvester	-	Mango
	(D)	Manual harvesting	- :	Strawberries
106.	Whic	h one of the following is correctly mate	ched?	
	(A)	Lye peeling	_	Apples, Peeches and cherries
	(B)	Flame peeling	-	Garlic and onion
	(C)	Mechanical peeling	_	Irregular shaped fruits
	(D)	Hand peeling	4	1-2% caustic soda
			-	ACITITO

107.	Whic	h one of the following is correctly	matched?						
	(A)	Penicillium sp.	_	Causes spoilage of canned fruits					
	(B)	Aspergillus sp.	-	Blue moulds					
	400	Mucor sp.	-	Grey mould					
	(D)	Byssochlamys fulva	-	Black mould					
108.	Cons	ider the statements							
	(i)	The inhibitory action of preserve of cell division, permeability of c		e to their interference with the mechanism ne, and activity of enzymes					
	(ii)	Sulphur-di-oxide has good prese	erving action	against bacteria and moulds					
	(iii)	Sulphur-di-oxide increases mon	o enzymatic	browning					
	(iv)	Sulphur-di-oxide is not genera bi sulphite and meta bi sulphite		the form of its salts such as sulphite,					
	Of th	e above statements							
	(A)	(i) alone correct							
	(B)	(i) and (ii) are correct							
	(C)	(i), (ii) and (iii) are correct							
	(D)	All are correct							
109.	Duri	ng fruit juice canning pasteurizat	ion is done a	at the temperature of					
	(A)	71° C	SBI	74° C					
	(C)	77° C	(D)	80° C					
110.	Cons	ider the statements							
	(i)	For each increase of 10° C above three fold	ve optimum	, rate of deterioration increases by two to					
	(ii)	Rate of enzymatic reactions dec	reases with	increase in temperature					
	(iii)	Rate of chemical reactions approximately doubles for each 10° C rise in temperature							
	(iv)	Temperature below optimum range for a given commodity causes freezing or chilling injury							
		Of the above statements							
	(A)	(i) alone correct	(B)	(i) and (ii) are correct					
	(C)	(i), (ii) and (iii) are correct	(B)	(i), (iii) and (iv) are correct					
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TITI	Cons	ider the statements		
	(i)	The 'continuous agitating cookers' canning of fruits	are ge	enerally used in big production units for
	(ii)	By using the 'continuous agitat considerably during canning of fruit		okers' the processing time is reduce
	(iii)	Fruits require much severe steriliza	tion tha	an non acid vegetables
	(iv)	Non-acid vegetables require to be pr	cocessed	d at temperatures much above 100° C
		Of the above statements		
	(A)	(i) alone correct	(B)	(i) and (ii) are correct
	(C)	(i), (ii) and (iii) are correct	ABIT .	(i), (ii) and (iv) are correct
112.	Air is	s evacuated by vacuum pump to achie	ve desi	red low pressure in
	(A)	Refrigerated storage	(B)	Air Cooled storage
	SON	Hydrobaric storage	(D)	Controlled atmospheric storage
113.	Re-us	sable packaging material is		
	(A)	Stretch film	(B)	Film wrap
	(C)	Cellophane	CON'	Polypropylene corrugated box
114.	Whic	h one of the following post harvest ap	plicatio	on of hormones is correctly matched?
	(A)	Gibberellins	_	Inhibits onion sprouting
	(B)	Cytokinins		Retards ripening of tomato
	ser	2, 4 D + BA	_	Retards yellowing of cauliflower
	(D)	Maleic hydrazide	-	Retards maturity of leafy vegetables
115.	Best	time for picking fruits is during		
	(A)	Evening hours	(B)^	Early morning
	(C)	Mid day	(D)	Night hours
116.	The i	deal temperature for storage often de	pends o	on the
	(A)	Size and shape of the product	(B)	Nutrient content of the product
	ser	Geographical origin of the product	(D)	Colour of the product
117.	The c	concentration of hot brine solution for	coverin	ng vegetables is
	SAS	1-3 percent	(B)	3-5 percent
	(C)	5-7 percent	(D)	7 – 9 percent

110.	Duri	ng preparation of vinegar sinced fruit	and sug	ar juice are mixed in proportion o
	(A)	2:1	(B)	3:1
	Jes	4:1	(D)	5:1
119.	In re	spect of world vegetable production, I	ndia rar	nks
	(A)	First		Second
	(C)	Third	(D)	Fourth
120.	Produ	ucts harvested from hot fields have		
	(A)	High rates of transpiration	(B)	High rates of respiration
	(C)	High rates of chilling injury	(D)	High rates of evaporation
121.	Budd	ling is most commonly done when the	re is	
	(A)	Early initiation of growth in plants	(B)	No gap flow in plants
	(C)	Late initiation of growth in plants	JOY'	Good sap flow in the plant
122.	Mang	go seeds lose their viability within:		
	(A)	3 – 4 weeks	(B)	4-5 weeks
	(C)	3 – 4 months	(D)	4-5 months
123.	In nu	tmeg, the sex problem can be overcon	ne by	
	(A)	Seed propagation	(B)	Softwood grafting
	(C)	Budding	CON .	Epicotyl grafting
124.	Garli	c is propagated by cloves. The alterna	te meth	od of propagation is by using:
	(A)	Corm	(B)	Seed
	ver	Bulbils	(D)	Bulbs
125.	Whic	h one of the following is correctly mat	ched?	
	(A)	CO ₂	-	Hormonal effect
	(B)	Ethylene	-	Root initiation
	(C)	Auxin	-	Senescence
	(Dir	Cells	T	Totipotency

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120	Synt	netic seed	s in vege	tables are	produced b	y		
	(A)	Embryo	rescue			(B)	Micro propagation	
	ver	Somatic	embryo	genesis		(D)	Anther culture	
127.		sider the s						
	Doul	ole workin	g in graf	ting or bu	dding to avo	id in	compatability and is done by:	
	(1)	Using tw	o parts v	riz; scion a	nd root stoc	k		
	(2)	Using th	ree parts	viz, root s	stock, scion	and i	nterstock	
	(3)	Using tw	o parts v	iz, root sto	ock and inte	rstoc	k	
	(4)	Using tw	o parts v	iz, scion a	nd interstoc	k		4
		Of the st	atements	3				
	(A)	1 alone	is correct			(B)	2 alone is correct	
	(C)	1, 2 and	3 are con	rrect		(D)	All are correct	
	+ /							
128.	Whic	h one of th	he follow	ing is corr	ectly-match	ad ar	nd write the correct code.	
		List - I		and an ook	List – II	ou ui	ad write the correct code.	
	(a)	Hermetic	al seal	1.	Seed via	bility		
	(b)	Accelerat	ed agein	g 2.	Low tem	pera	ture	
	(c)	Cryopres	ervation	3.	High ten	ipera	ature	
	(d)	Tetrazoli	um	4.	Aluminia	ım p	ouches	
		(a) (1	b) (c	(d)				
	(A)	2 . 4		3				
	(B)	4 3		1				
	(C)	2 1	3	4				
	(D)	1 3	2	4				
129.	Citra	nges the	notential	root stock	of citrus he	ig ovi	ginated as a result of cross betw	
	(A)			Trifoliate		(B)		veen
	(0)1						Sweet orange × Mandarin	
	(10)	Triionau	e orange	× Sweet or	range	(D)	Trifoliate orange × Mandarin	
130.	Dwar	fing root s	stock use	d in high o	density plan	ting	of ber is	
	(A)	Z. jujuba		X TOTAL		By	Z. nummularia	
	(C)	Z. lotus				D)	Z. rotundifolia	
30						1		ACTIV
					21	× 1		ACFH

131.	neca	citran	ts are tr	iose		
	(A)	Seeds	germin	nating or	aly after	r the process of ripening
	(B)	Seeds	s germin	nating pr	rior to f	ruit maturity
	ver	Seeds	germin	nating in	nmedia	tely after ripening and harvest
	(D)	Seeds	germin	nating at	iter pro	longed storage and drying
100	V/innia		. b	3 :		
132.			observe	a in		md T I C II
	(A)	Avoca				Jack fruit
	(C)	Coffe	е			(D) Mango
133.	Clove	e is pro	pagated	by		
	(A)	Budd	ing			(B) Seed
	(C)	Graft	ing			(D) Layering
134.	Matc	h the c	orrect a	nswers	and wri	te the correct code
	(a)	Kuruk	kan		1.	Northern spy X m-series
	(b)	Old H			2.	Salt resistant polyembryonic root stock of mango
	(c)	Kalap			3.	Nematode resistant root stock
	(d)	1	macrop	hylla	4.	Dwarf polyembryonic mango root stock
		Now w	vrite the	correct	code	
		(a)	(b)	(c)	(d)	
	(A)	1	2	3	4	
	(B)	3	1	4	2	
	ser	2	1	4	3	
	(D)	4	3	2	1	
135.	Chow	v-Chow	is prop	agated h	ov	
	(A)	Seed	-		,	(B) Vine cutting
	.ces		e fruit			(D) Tuber
	30)	Ditto	C II uit			(2)
136.	Choo	se the	right an	swer		
	(A)	Top v	working	in cashe	ew is do	one in six months old root stock
- Contract	(B)	Top v	working	in cashe	ew is do	one on 20-25 years old senile tree
	(C)	Top v	working	in cashe	ew is do	one on dead trees
	(D)	Top v	working	in cashe	ew is do	one on disease affected branches

10	1110	variet,	y or curn	terre sur	table 10.	drought and s	aime son is
-	(A)	IISF	R Prathil	oha		(B)	Ranga
	(C)	Ras	mi			(B)	CO-1
138.	The	tempo	rary sha	de tree s	uitable	for planting in	cardamom plantation is
	(A)	Arto	carpus f	raxini fo	lius	(B)	Cedrella loona
	(C)	Dios	spyrous e	ebenum		JON OF	Erythrina lithosperma
139.	Mult	iple se	election				
	(1)	Carr	rot is an	annual	requirin	ig one seasons t	to complete its root growth.
	(2)				2 0		ns for maturing a crop of seed
	(3)					oduce seed	
	(4)	Carr	rot is cor	nmercial	ly prop	agated through	stecklings
		Of t	hese star	tements,	write t	he correct one	
	(A)	1 ald	one is co	rrect		(B)	1 and 2 are correct
	Jos	1, 2	and 3 ar	e correct	t	(D)	4 is correct
140.	Mato	h the	followin	g with co	rrect a	nswers and wri	te the code
-	(a)	Radio	cle		1.	Stem extendi	ng cotyledon and root
	(b)	Нуро	cotyl	\$	· 2.	Rudimentary	
-2	(c)	Cotyl	edon		3.	Miniature sh	oot
	(d)	Plum	ule		4.	Leaves	
		(a)	(b)	(c)	(d)	5 47	
	(A)	1	2	4	3	1000	
	(B)	2	1	4	3		
	(C)	4	1	3	2		
	(D)	3	2	1	4		
141.	The	extrac	tion of s	ap from l	Palmyra	ah inflorescence	e is known as
	(A)	Stak			4	(B)	Tapping
	(C)	Cutt				(D)	Trimming
1.40	ъ.		1.0				
142.		-	pared fro	om			
	(A)		palm	The state of		(B)	Arecanut
	(C)	Cocc	nut			(D)	Cashew

143.	Cash	ew belongs to the family of		
	(A)	Musaceae	(B)	Anacardiaceae
	(C)	Rutaceae	(D)	Rhamnaceae
144.	In Ta	mil Nadu, Coconut Research Sta	tion is situat	ted at
	(A)	Srivilliputhore	(B)	Arupukottai
	cer	Vaepankulam	(D)	Vathalagundu
145.	The f	lowering behaviour of cocoa belor	ngs to	
	(A)	Auxillary	(B)	Terminal
- 1	.cen	Cauliflorus	(D)	Terminal and auxillary
				Tormina and admirally
146.	Rubb	er is propagated commercially th	rough	
	(A)	Cuttings	(B)	Layerings
	ver ver	Buddings	(D)	Graftings
147.	The g	eneral fertilizer recommendation	for turmeri	cis
	(A)	125 : 60 : 60 Kg NPk/ha	(B)	150 : 100 : 100 Kg NPk/ha
	(C)	250 : 125: 125 Kg NPk/ha	(D)	300 : 150 : 150 Kg NPk/ha
148.	Turm	eric belongs to the family of		
-	(A)	Rubiaceae	(B)	Zingiberaceae
	(C)	Euphorbiaceae	(D)	Anacardiaceae
149.	The n	nutant variety in ginger is		
	(A)	Rio-de-Janeiro	(B)	Suprabha
	ues'	Surari	(D)	Suruchi
150.		ing is an important intercultura		
	(A)	Pepper	(B)	Cardamom
	(C)	Turmeric	(D)	Ginger
151.	The i	nflorescence in cardamom is tern	ned as	
	(A)	Panicle	(B)	Spike
	(C)	Cyme	(D)	Raceme
ACT				
ACF	nu		24	

192	Thea	marins in tea is responsible for		
	(A)	Texture	(B)	Colour
	(C)	Smell	(D)	Consistency
153.	Panc	hami is a variety of	1	
	(A)	Cardamom	(B)	Pepper
	(C)	Ginger	(D)	Turmeric
154.	Pepp	er is propagated commercially through		
	(A)	Leaf cutting	(B)^	Vine cutting
	(C)	Root cutting	(D)	Layering
155.	The l	ootanical name of commercially cultiva	ted pe	pper is
	(A)	Piper mullesua	(B)	Piper cubeba
	Jes"	Piper nigrum	(D)	Piper longum
156.	SVPI	R-1 is a variety of		
	(A)	Arecanut	(B)	Oil palm
	cer	Palmyrah	(D)	Coconut
157.	The	oil is patchouli is obtained from		
	(A)	Fresh leaves	(B)	Fresh roots
	ser	Shade dried leaves	(D)	Dried flowers
158.	The l	nybrid tenera belongs to		
	(A)	Coconut	(B)	Arecanut
	ren	Oil palm	(D).	Palmyrah
159.	In In	dia, Coconut is largely cultivated in		
	(A)	Tamil Nadu	(B)	Kerala
	(C)	Karnataka	(D)	Andhra Pradesh
160.	Coco	a is commercially propagated through		
	SAST	Seeds	(B)	Cuttings
	(C)	Layerings	(D)	Budding

161.	KKII	208 is a variety of		
	(A)	Tea	(B)	Coffee
	ser.	Rubber	(D)	Cocoa
162.		——— is the state flower of T	Samil Nadu.	
	(A)	Gladiolus	(B)	Aster .
	Jer .	Glory lily	(D)	Jasmine
163.	Coffe	e originated from		
	(A)	India	(B)	Ethiopia
	(C)	Brazil	(D)	Australia
164.	Tea i	s propagated through		
	(A)	Layering	(B)	Cutting
	(C)	Grafting	(D)	Budding
165.	The (Central Plantation Crop Research		located at
	(A)	Kottayam	BY	Kasargod
	(C)	Vellanikara	(D)	Cochin
166.	Tama	arind is commercially propaga	ated through	
	SAN	Seeds	(B)	Cutting
	(C)	Layering	(D)	Micro propagation
167.	The	medicinal principle of Solanur	m <u>Khaisianum</u> i	s
	(A)	Tylo phorine	(B)	Cathartine
	sen!	Solasodine	(D)	Vincristine
168.	Duri	ng vedic period ———— is	s the Lord of Ay	urvedic healing
	(A)	Lord Muruga	(B)	Lord Shiva
	ser	Lord Dhanvantri	(D)	Lord Vaitheeswara
169.	Gera	nium is propagated through		
	(A)	Seeds	(B)	Terminal cuttings
	(C)	Suckers	(D)	Rhizomes

170.	Apric	ot can be classified under					
	(A)	Pome	(B)	Pepo			
	(C)	Berry	ABN .	Drupe			
171.		—— is a medicinal plant which	ch is a climbi	ng perennial.			
1	(A)	Ashmagandha	(B)	Sarpagandha			
	(C)	Aloe vera	(B)	Glory Lily			
172.	Horti	Horticultural practice followed for bud formation and fruit growth is					
	JAS	Bending	(B)	Gridling			
	(C)	Root pruning	(D)	Smudging			
173.	Sona	is a high yielding variety of —	crop	released from CIMAP.			
	(A)	Colepus	(B)	Peri winkle			
	(C)	Solanum	SON'	Senna			
174.	The c	rop widely used in cosmetic ind	ustry is				
	(A)	Ashmagandha	(B)	Coleous			
	JET)	Aloe vera	(D)	Mint			
175.	The S	Sennoside content present in the	pods of Senr	na is			
	(A)	2.5 – 25%	(B)	1.25 - 2.5%			
	(C)	25 - 50%	(D)	0.25 - 0.3%			
176.		tree is most suitable for	avenue plant	ing			
	SAT	Delonix regia	(B)	Michelia Champaka			
	(C)	Saraca indica	(D)	Ficus religiosa			
177.	The	alkaloid present in Ashmagandh	a is				
	(A)	Solasodine	(B)	Vincristine			
	(C)	Piperine	, OB)	Withanine			

178.	8. Aloe vera is propagated through							
	(A)	Seeds	(B)	Tubers				
	(C)	Leaf cuttings	Dr.	Root suckers				
179.	Doub	ble variety of tuberose is						
	(A)	Rakthagandha	(B)	Super Star				
	ser	Calcutta Double	(D)	Friendship				
180.	resea	is a variety of lemon grass arch station, Kerala	releas	ed from Aromatic and medicinal plant				
	(A)	Savithiri	(B)	Sugandhi				
	(C)	Anburani	(D)	Sunanthini				
181.		is shallow rooted and requires frequent irrigation						
	(A)	Ocimum	JB)	Mint				
	(C)	Geranium	(D)	Citronella				
182.	The i	deal pH for rooting of cutting is						
100	JAS	5.5 – 6.5	(B)	4.5 – 5.0				
	(C)	6.5 - 7.0	(D)	5.0 - 5.5				
183.	Which	Which plantation crop is heliotropic in nature?						
4	(A)	Cocoa	(B)	Coconut				
9 %	ues'	Coffee	(D)	Arecanut				
184.	In av	acado, softening during ripening is du	e to					
	VAS	Hydrolysis of fat	(B)	Breakdown of starch				
	(C)	Degradation of Chlorophyll	(D)	Break down of proteins				
185.	Alkal	ine soil can be reclaimed by applying						
	(A)	Lime	(B)	Potassium sulphate				
	(0)	Gypsum		Epsum				
ACF		2						
	-10	2	0					

180	Nutr	Nutmeg is						
	(A)	Monoecious	(B)	Dioecious				
	(C)	Gynomonoecious	(D)	Gyno dioecious				
187.	Fruit	t drop in chilli is controlled by spray	ving					
	(A)	NAA	(B)	Triacontanol				
	(C)	IAA	LOS .	Both (A) and (B)				
188.	Fruit	necrosis in anola is due to deficien	cy of					
	(A)	Calcium	(B)	Phosphorus				
	Jes	Boron	(D)	Iron				
	X A SA							
189.	Abno	Abnormal leaf fall is mainly due to the accumulation of						
	(A)	ABA	(B)	Cytokinin				
	(C)	GA	LODS"	Ethylene				
190.	The b	ootanical name of phalsa is						
	SAST	Grewia subinequalis	(B)	Phydis peruviana				
	(C)	Garcinia cowa	(D)	Garcinia mangostona				
191.	Low t	temperature in banana leads to						
	SAS	Chocking	(B)	Flushing				
	(C)	Flowering	(D)	Scorching				
192.		nation and fertilization takes places as seems as	ace but	the embryo gets aborted resulting in				
	(A)	Stimulative parthenocarpy						
	(B)	Vegetative parthenocarpy						
	Jes 1	Stenospermo carpy						
	(D)	Polyembryony						

193.		is a variety of guava, fruits of v	which a	re pyriform in shape		
	(A)	Lucknow-49	(B)	Lucknow-46		
	(C)	Arka mridula	(D)	Chittidar		
194.	The r	novement of auxin is				
	(A)	Lateral	(B)	Basipetal		
	(C)	Acropetal	(D)	Immobile		
195.	Initia	ation of flower bud makes the ends of -		— phase.		
	(A)	Reproductive phase	(B)	Vegetative phase		
	(C)	Juvenile phase	(D)	Seedling emergence phase		
196.	Pre-h	narvest fruit drop in citrus is controlled	d by spi	raying —		
	JAY	2, 4 – D	(B)	GA ₃		
	(C)	Ethephon	(D)	МН		
197.	Gyno	dioecious type of sex forms is seen in				
	(A)	Papaya	(B)	Grapes		
	(C)	Mango	(D)	Guava		
198.	Bud	netting is done in				
	(A)	Orchids	(B)	Jasmine		
	sen.	Rose	(D)	Gerbera		
199.	A phenomenon of gynoecium maturing earlier than androecium is called:					
	(A)	Protandry	(B)	Protogyny		
	(C)	Heterostyly	(D)	Herkogamy		
200.	Janu	ary – February flowering season is cal	led as			
	(A)	Mrig bahar	(B)	Ambe bahar		
	(C)	Hasta bahar	(D)	None of the above		