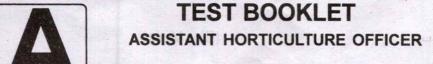
DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

Test Booklet Series



T. B. C. : AHO - 2021

2185

SI. No.

Time Allowed: 3 Hours

Maximum Marks: 200

: INSTRUCTIONS TO CANDIDATES :

- 1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET OF THE SAME SERIES ISSUED TO YOU.
- 2. ENCODE CLEARLY THE TEST BOOKLET SERIES A, B, C OR D, AS THE CASE MAY BE, IN THE APPROPRIATE PLACE IN THE ANSWER SHEET USING BALL POINT PEN (BLUE OR BLACK).
- 3. You have to enter your Roll No. on the Test Booklet in the Box provided alongside. DO NOT write anything else on the Test Booklet.
- 4. YOU ARE REQUIRED TO FILL UP & DARKEN ROLL NO., TEST BOOKLET / QUESTION BOOKLET SERIES IN THE ANSWER SHEET AS WELL AS FILL UP TEST BOOKLET / QUESTION BOOKLET SERIES AND SERIAL NO. AND ANSWER SHEET SERIAL NO. IN THE ATTENDANCE SHEET CAREFULLY, WRONGLY FILLED UP ANSWER SHEETS ARE LIABLE FOR REJECTION AT THE RISK OF THE CANDIDATE.
- 5. This Test Booklet contains 200 items (questions). Each item (question) comprises four responses (answers). You have to select the correct response (answer) which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct response (answer), you should mark (darken) the response (answer) which you consider the best. In any case, choose ONLY ONE response (answer) for each item (question).
- You have to mark (darken) all your responses (answers) ONLY on the separate Answer Sheet provided, by using BALL POINT PEN (BLUE OR BLACK). See instructions in the Answer Sheet.
- 7. All items (questions) carry equal marks. All items (questions) are compulsory. Your total marks will depend only on the number of correct responses (answers) marked by you in the Answer Sheet. There shall be negative marking for wrong answers with a deduction of 0.25 marks for every wrong answer.
- 8. Before you proceed to mark (darken) in the Answer Sheet the responses (answers) to various items (questions) in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per the instructions sent to you with your **Admission Certificate**.
- 9. After you have completed filling in all your responses (answers) on the Answer Sheet and after conclusion of the examination, you should hand over to the Invigilator the Answer Sheet issued to you. You are allowed to take with you the candidate's copy / second page of the Answer Sheet along with the **Test Booklet**, after completion of the examination, for your reference.
- 10. Sheets for rough work are appended in the Test Booklet at the end.

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BG - 1A/7

(Turn over)

1.	Sexual Propagation is through:	TELN	(B)	Pink, ann изчетой ост.		
115	(A) Seeds		(C)	Green Amaré Jelacota Izat		
	(B) Layering (C) Grafting		(b) Gleen			
			(D)	Violet		
	(D) Cuttings	6.	Asse	ertion : A : Apomicts (Apomixis)		
2.	Megasporogenesis is process of		are t	rue to type in nature.		
	development of : (A) Seeds		Reas	son : R : Apomicts are formed		
	(B) Embryo	on the	throu	igh vegetative means.		
	(C) Ovule		(A)	A and R are true, R is correct		
	(D) Pollen			explanation of "A"		
3.	Microsporogenesis is process of development of:	diversi.	(B)	A and R are true, R is not		
	(A) Seeds			correct explanation of "A"		
	(B) Embryo	Heavy.	(C)	A and R are false, R is correct		
	(C) Ovule			explanation of "A"		
	(D) Pollen		(D)	A and R are false, R is not		
4.	Albuminous seeds are having high amounts of:			correct explanation of "A"		
	(A) Endosperm	7.	Poly	rembryony is due to :		
B	(B) Perisperm		(A)	Nucellar embryony		
	(C) Embryo		(B)	Development of more than one		
	(D) Litchi		(0)			
5.	A viable seed takes colour		China de C	nucleus within the embryo sac		
	during tetrazolum test.		(C)	Both (A) and (B)		
	(A) Blue		(D)	None of these		
BG	– 1A/7	2)		Contd.		

- 8. Papaya is propagated through:
 - (A) Stem cuttings
 - (B) Leaf cuttings
 - (C) Air-layering
 - (D) Seeds
- 9. Which is the correct order in respect of seed germination?
 - (l) Increase in cell metabolism
 - (II) Embryo resumes active
 - (III) Rupturing of seed coat
 - (IV) Seedling emergence
 - (A) (I), (II), (III), (IV)
 - (B) (I), (III), (II), (IV)
 - (C) (II), (III), (I), (IV)
 - (D) (III), (I), (I), (IV)
- 10. Bryophyllum and Sanseveria are propagated by:
 - (A) Leaf cuttings
 - (B) Root cuttings
 - (C) Slips
 - (D) Herbaceous cuttings

- 11. The healing of graft union takes place in which of the following order:
 - (I) Production of callus
 - (II) Intermingling and interlocking of parenchyma cells of both graft components
 - (III) Differentiation of certain parenchyma cells of callus into new cambium cells
 - (IV) Production of new vascular tissues
 - (A) (I), (II), (III), (IV)
 - (B) (I), (III), (IV)
 - (C) (II), (III), (I), (IV)
 - (D) (III), (II), (I), (IV)
 - 12. The age of rootstock in epicotyl grafting is:
 - (A) 3 months
 - (B) 6 months
 - (C) 2 months
 - (D) 15 days

13.	Green budding is commercia	ally (B) N ₂ gas at 196°C
	practiced in :	(C) H ₂ gas at – 196°C
	(A) Mango	(D) H ₂ gas at – 196°C
	(B) Rubber	17. The energy (carbon) source in micro
	(C) Guava	propagation media :
iny	(D) Sapota	and the second s
14.	(a) Tunicate bulb (i) Sweet pota	(A) Agar-agar
17.		(B) Sucrose
	(b) Non-tunicate	(C) Citric acid
115.715	bulb (ii) Onion	(D) Charcoal
D el	(c) Stem tuber (iii)Lily	18. Pineapple can be propagated by:
	(d) Root tuber (iv) Potato	
	(a) (b) (c) (d)	(A) Suckers
	(A) (iv) (ii) (iii) (i)	(B) Slips
	(B) (ii) (iii) (iv) (i)	(C) Crown
	(C) (i) (ii) (iii) (iv)	(D) All of these
	(D) (iv) (iii) (ii) (i)	19. Dogridge is the rootstock of :
15.	In which of the underground ste	(A) Grape vine
	structure, the main axis of the pla	(P) Manga
	grows horizontally?	(C) Sapota
	(A) Tuber	(D) Mandarin orange
	(B) Corm	20. Virus free planting materials can be
	(C) Rhizome	produced through:
	(D) Bulb	(A) Anther culture
16.	Cryopreservation is done with the	the (B) Meristem culture
	use of:	(C) Ovule culture
	(A) N ₂ gas at 196°C	(D) Axillary bud culture
BG-	- 1A/7	(4) Contd.
		Conto.

21.	Spon	ge tissue disorder is serious in		(C)	Budding
	follov	ving variety:		(D)	Root cutting
	(A)	Neelum	25.	In Be	er, the fruit buds are borne in :
	(B)	Bangalora		(A)	Current season shoot in
	(C)	Alphonsa			Terminal
	(D)	Banganapalli		(B)	Current season shoot in Leaf
22.	For	uniform flowering NAA			axil
	appli	cation is followed when the crop		(C)	Past season shoot in Terminal
	attaii	ns:		(D)	Past season shoot in Leaf axil
	(A)	30-35 leaf stage	26.	Whi	ch one is correctly matched?
	(B)	35-40 leaf stage		(A)	Apple – Die back
	(C)	40-45 leaf stage		(B)	Mango – Cracking
	(D)	45-50 leaf stage		(C)	Pomegranate – Bitter pit
23.	Mhi	ch among the following are		(D)	Banana – Lumpness
23.		odioecious variety in papaya?	27.	Mat	ch the following:
		CO 2		(a)	Guava (i) Bhaguva
	(A)	CO 4		(b)	Pomegranate (ii) Arka Amulya
	(B)			(c)	Ber (iii)Abacus
		CO 3		(d)	Pineapple (iv) Umran
	(D)	CO 5			(a) (b) (c) (d)
24.	Con	nmercial method of propagation		(A)	(ii) (i) (iv) (iii)
	in B	read fruit is by:		(B)	(iii) (i) (iv) (ii)
	(A)	Stem cutting		(C)	
	(B)	Grafting		(D)	(ii) (iii) (iv) (i)
BG	- 1A/	7	5)		(Turn over)

28.	Pine	apple is the variety of :	32.	Polla	arding / dehorning is practiced
	(A)	Mango		in:	
	(B)	Sweet orange		(A)	Mango
	(C)	Pineapple		(B)	Citrus
	(D)	Mandarin orange		(C)	Guava
29.	Bitte	rpit of apple is due to :		(D)	Amla
	(A)	Calcium deficiency	33.	Arka	a Sahan is the variety of:
	(B)	Zinc deficiency		(A)	Custard apple
	(C)	Iron deficiency		(B)	Grapes
	(D)	Molybdenum deficiency		(C)	Papaya
30.	5 FIT	is the rootstock used for		(D)	Mango
	graft	ting in Sapota.	34.	The	ultra dwarf root stock of apple is :
	(A)	Vellaicolumban		(A)	MM 111
	(B)	13-1		(B)	MM 109
	(C)	Ramsay		(C)	M 27
	(D)	Pala		(D)	MM 16
31.	Bea	ring habit of jackfruit :	35.	Litc	hi is commercially propagated
	(A)	Terminal		thro	ugh:
	(B)	Cauliflorus		(A)	Grafting
	(C)	Lateral		(B)	Air-layering
	(D)	Both terminal and lateral on lear	f	(C)	Chip budding
		axis (m., to (d)		(D)	Root cutting
BG	- 1A/	7	(6)		Contd.

36.	The	genome of Nendran banana:	40.	Pant	Shivani is the variety of:
	(A)	AAB		(A)	Carambola
	(B)	AAA		(B)	Mangosteen
	(C)	AA Jakanat III III		(C)	Bael
	(D)	AAAA		(D)	Litchi
37.	Fruit	drop in mango minimized by :	41.	Arec	canut is propagated by :
	(A)	Zeatin		(A)	Seeds
	(B)	GA ₃		(B)	Approach grafting
	(C)	Ethrel		(C)	Root cuttings
	(D)	NAA HARMANA (B)		(D)	Leaf cutting
38.	Suc	cess of High Density Planting	42.	CP	CRI is located at :
	relie	es on:	72.	Crt	ON 18 located at .
	(A)	Use of dwarf varieties		(A)	New Delhi
	(B)	Use of dwark root stocks		(B)	Calicut
	(C)	Use of growth retardants		(C)	Kasaragod
	(D)	All of these		(D)	Bengaluru
39.		is used to induce off-	43.	The	e highly adapted type of cocoa to
	sea	son flowering in mango.		Ind	ian conditions is:
	(A)	Kinetin philosophical (a)		(A)	Forestero
	(B)	GA ₃		(B)	Criollo PADES (8)
goil	(C)	Paculobutrazol		(C)	Trinitario 39 (2)
	(D)	NAA POLITICA		(D)) Amelanado
BG	- 1A	<i>J</i> 7	(7)		(Turn over)

44.	In coconut, the mother palm shoul	d 48. Kahikuchi is the Arecanut variety
	have a yield ofnuts / year	r. popular in : BAA (A)
	(A) 50 neisteophism (B)1	(A) Karnataka
	(B) 120	(B) Tamil Nadu
	(C) 200	(C) West Bengal
	(D) 300	(D) Assam
45.	In Arecanut for processing of Kalipak	k,
	nuts are harvested when they are:	49. The quality seedling in coconut is
	(A) 4-5 months old	selected based on :
	(B) 6-7 months old	(A) Early and vigorousness
	(C) 8-9 months old	(B) Maximum girth at base
	(D) 11-12 months old	(C) Early splitting of leaves
46.	is the leading state i	n (D) All of these
	cashew nut production in India.	50. The correct sequence of cashew
	(A) Maharashtra	processing is:
	(B) Tamil Nadu	(A) Roasting, Shelling, Peeling,
	(C) Odisha	Grading 1990 1/4 (0)
	(D) Kerala	(B) Roasting, Peeling, Shelling,
47.	is the variety of palmyrah	. Grading
	(A) KKM-1	(C) Shelling, Peeling, Roasting,
	(B) PKM 1	Grading (AD) (A)
	(C) SVPR – 1	(D) Shelling, Roasting, Peeling,
	(D) CO - 1/2 inglemA (G)	Grading AAA (3)
BG -	- 1A/7	(8) Contd.

51.	Match the follow	owing:	54.	In tea, harvest	ing (plucking) refers to:
	Crop	Origin		(A) Remova	of 2-3 leaves
	(a) Tea	(i) South		(B) Remova	al of 2-3 leaves and a
		America		bud	· Pate and
	(b) Cocoa	(ii) Brazil		(C) Remova	of 4-5 leaves
	(c) Coffee	(iii)China		(D) Remova	al of 4-5 leaves and a
	(d) Cashev	v (iv) Ethiopia		bud	IV tenesa sul - 86.
	(a) (b)	(c) (d)	55.	Which is corre	ectly matched (Spacing
	(A) (i) (ii)	(iii) (iv)		for tea)?	- 67 100 (A)
	(B) (iii) (ii)	(iv) (i)		(A) Up and do	own: 1.5m × 1.5 m
	(C) (iv) (iii)	(ii) (i)		(B) Contour-s	ingle car car
	(D) (iii) (iv)	(i) (ii)		hedge:	1.2 m × 1.2 m
52.	The period of	f blossom shower (rain)		(C) Contour-d	ouble
	for coffee in	South India is:		hedge:	1.35 m × 0.75 m ×
	(A) March	-April			0.75 m
	(B) June-	July		(D) Contour-d	louble
	(C) Octobe	er – November		hedge:	1.2 m × 0.75 m ×
		ber – January			0.75 m
53.	Chandragiri	is the variety of:	56.	Which is not a	a cover crop for rubber ?
00.	(A) Cocoa			(A) Sesba	nia grandiflora
	(B) Cardar			(B) Puerar	ia phaseoloides
				(C) Calapa	gonium muconoides
		4. 10 (1) 14 (1		(D) Centro	osema pubescens
	(D) Tea	F · 经银行股 经国际货车			

57.	The highest tapping intensity sys	stem 61.	Whic	th of the following is the cause	
	in rubber is:		for bi	tterness in wild forms of bottle	
	(A) S ₂ d ₂		gourd	d?	
	(B) S ₂ d ₃		(A)	Solanin	
	(C) S ₂ d ₁		(B)	Curcumin	
to the	(D) S ₂ d ₄		(C)	Cucurbitacin	
58.	The annual NPK requiremen	nt of	(D)	Tomatin	
	cocoa is (gram / tree) :	62.	Pusa	chikni is a variety of :	
	(A) 100:75:175		(A)	Sponge gourd	
	(B) 100:40:140		(B)	Ridge gourd	
	(C) 150:50:200		(C)	Bottle gourd	
	(D) 150:40:200		(D)	Snake gourd	
	Control skinds (days)	63.	Whic	ch is the following type of	
59.	is a dioecious palm.		vegetable gardening is followed in		
	(A) Palmyrah		Dal lake of Kashmir valley?		
	(B) Coconut		(A)	Kitchen garden	
	(C) Arecanut		(B)	Floating garden	
	(D) Oilpalm		(C)	Hydroponics	
60.	part of oilpalm tree g	ives	(D)	Aeroponics	
	maximum oil recovery.	, 64.	Varsh	na Upahar is a variety of :	
	(A) Exocarp		(A)	Chilli	
	(B) Mesocarp		(B)	Cabbage	
	(C) Kernel		(C)	Okra	
	(D) Petiole		(D)	Onion	
BG -	- 1A/7	(10)		Contd.	

65.	Cont	ender is a variety of :	69.	Whi	ptail in cauliflower is caused by
	(A)	Peas		defic	ciency of :
	(B)	Knol Khol		(A)	Boron
	(C)	French beans		(B) (C)	Iron Property (II)
	(D)	Chow-chow		(D)	Molybdenum
66.	Gua	r gum is extracted from:	70.	Crac	cking of tomato fruit is brought
	(A)	French bean		abou	ut by:
	(B)	Lima bean		(A)	Restricted watering
	(C)	Cowpea		(B)	A period of drought followed by sudden heavy watering
	(D)	Cluster bean		(C)	Over watering
67.	Whi	ch of the following is an often		(D)	Salt injury
	cros	s pollinated crop?	71.	Whi	ich of the following flower style,
	(A)	Eggplant			jal have ?
	(B)	Tomato Paris		(A)	Long style
	(C)	Pea		(B)	Medium style
	(D)	French beans		(C)	Pseudo short style
68.	Trip	loid watermelon variety is:		(D)	All of these
	(A)	Charleston Grey	72.	Kno	bb is the economic part of:
	(B)	Pusa Bedana		(A) (B)	Knol-khol Cabbage
	(C)	Arka Manik		(C)	Obnot (ii)
	(D)	Sugar Baby		(D)	Brussels sprout
BG	- 1A/		(11)		(Turn over)

73.	Cytoplasmic male sterility is used for	77.	Which of the following disorder is not
	hybrid seed production in :		due to boron deficiency?
	(A) Okra		(A) Black heart of celery
			(B) Splitting of carrot
	(B) Tomato		(C) Browning of cauliflower
	(C) Onion management (d)		(D) Cracked stem of celery
	(D) Potato	78.	The tomato variety that sets fruit in
74.	Yellow Vein Mosaic of Okra is		under hot temperature is:
	transmitted by:		(A) Pusa Early Dwarf
	(A) Aphids		(B) Pusa Hybrid 1
	(B) Red mites		(C) Pusa Uphar
	(C) Thrips		(D) Pusa Sheetal
	(C) Sattlefairy	79.	Which of the following is / are
	(D) White flies		necessary for successful vegetable
75.	Sweet potato is propagated by:		production ?
	(A) Runners		(A) Quality seed
	(B) Tubers		(B) Improved cultural practices
	(C) Vine cuttings		(C) Proper plant protection
	(D) Seeds 920/110/IA (C)		(D) All of these
76.	champs remove a structural CV	80.	Which among the following is perennial vegetable crop?
	(A) Bottle gourd		(A) Tomato
	(B) Tomato (9)		(D) Painial
	(c) Cauliflower		All trees states - 47%
	(D) Brussels sprout		(D) Sugar Baby
	(D) Cowpea		(D) Bhendi
BC	G – 1A/7	(12)	Contd.

					경기 : 그리면 중에게 되어 된 사이 하고 있어?
81.	The	propagation of bush pepper	is 85.	Ass	ertion : A: Cardamom fruits have
	done by :			to b	e harvested at full ripe stage.
	(A)	(A) Runners(B) Fruiting shoots		Rea	son : R : Fruits fully ripe has
	(B)			tend	lency to split on drying.
	(C)	Hanging shoots		(A)	A and R are true, R is correct
	(D)	Top shoots			explanation of "A"
82.		ch crop has hermaphrodite flowe	ər	(B)	A and R are true, R is not correct explanation of "A"
	(A)	Black pepper	A	(C)	A and R are false, R is not
	(B)	Nutmeg		(D)	correct explanation of "A"
	(C)	Clove		(D)	A and R are false, R is not correct explanation of "A"
	(D)	All spice	86.	The	orchid grown as spice is:
83.	Vani	lla is propagated by:		(A)	Dill
	(A)	Stem cuttings		(B)	Vanilla
	(B)	Seeds		(C)	Ajowan
	(C)	Buddings		(D)	Aniseed
	(D)	Suckers	87.	The	seed rate of turmeric is
84.	The	seed rate of cardamom / ha:	0 7.		kg of rhizomes per hectare.
	(A)	500 g		(A)	1000
	(B)	5 kg		(B)	500
	(C)	2 kg		(C)	2500
	(D)	10 kg		(D)	1500
BG-	- 1A/7	7	(13)		(Turn over)

88.	is the ginger variety	92. Seedling progenies of nutmeg
	developed by High Altitude	segregates into male and female in
	Research Station, Pottangi, Odisha.	the ratio of :
	(A) Himagiri	the ratio of .
	(B) Suruchi	(A) 1:1
	(C) Athira	(B) 1:5
	(D) Karthika	(C) 5:1
89.	The duration of coriander is:	(D) 1:3
	(A) 30 days	As a College of the size and China are the
	(B) 60 days	93. Quills, Featherings and Chips are the
	(C) 100 days	grades in :
	(D) 150 days	(A) Clove
90.	seed spice is tolerant to	(B) Nutmeg
	frost an freezing weather.	(C) Cinnamon
	(A) Coriander	
	(B) Fennel	(D) All Spice
	(C) Cumin	94. Direct sowing of periwinkle requires
	(D) Fenugreek	seed rate of :
91.	Alternate bearing is associated with:	(A) 30 kg
	(A) Clove	(B) 10 kg
	(B) Nutmeg	(B) 10 kg
	(C) Cinnamon	(C) 15 kg
	(D) Curry leaf	(D) 2.5 kg
ВС	G – 1A/7	(14) Contd.

95. Match of the following:

Crop Crop longevity

- (a) Digitalis (i) Herbaceous annual
- (b) Isubgol (ii) Perennial
- (c) Rauvolfia (iii)Biennial
- (d) Coleus (iv) Stemless annual
 - (a) (b) (c) (d)
- (A) (iii) (ii) (iv) (i)
- (B) (iii) (iv) (ii) (i)
- (C) (iv) (iii) (i) (ii)
- (D) (iv) (iii) (ii) (i)
- 96. The sennoside content in Alexandrian senna is:
 - (A) 2-2.5%
 - (B) 3-3.5%
 - (C) 4-4.5%
 - (D) 5-5.5%
- 97. Lemon grass oil is obtained from:
 - (A) Cymbopogon flexuosus
 - (B) Pogestemon patchouli

- (C) Vetiveria zizanoides
 - (D) Pelargonium graveolens
- 98. Geranium is propagated through:
 - (A) Suckers
 - (B) Slips
 - (C) Crown
 - (D) Terminal cuttings
- 99. Which is correctly matched:
 - (A) Mentha arvensis Spear mint
 - (B) Mentha piperata Japanese mint
 - (C) Mentha spicata Pepper
 - (D) Mentha citrata Bergamont
- 100. CIM Kanchan is the variety of:
 - (A) Ocimum sanctum
 - (B) Pogestemon patchouli
 - (C) Vetiveria zizanoides
 - (D) Pelargonium graveolens

101.	The	species of jasmine, highly	y 105.	Keik	is is the propagation material of:
	suita	able for concrete extraction is:		(A)	Orchids
	(A)	Jasminum sambac		(B)	Carnation
	(B)	J. grandiflorum		(C)	Gerbera
	(C)	J. auriculatum		(D)	Gladiolus
	(D)	J. humile	106.	The	flower colour of Cassia fistula
102.	The	flower colour of CO-2 chry		is:	
	sant	hemum is:		(A)	Pink
	(A)) White		(B)	White White
	(B)			(C)	Yellow
	(C)			(D)	Orange
	(D)	Variegated	107.	The	botanical name of Bottle Brush
103.	See	d rate per ha of marig <mark>old is</mark> :		Tree	is:
10	(A)	0.5 kg		(A)	Araucaria excela
	(B)	5.0 kg		(B)	Terminalia arjuna
	(C)	10 kg		(C)	Calestamen lanceolatus
	(D)	1.5 kg		(D)	Grevillea robusta
	(0)	Wents and a meaning MATA. A	108.	Whi	ch is a climber?
104.	Tube	erose belongs to the family:		(A)	Bigonia venusta
	(A)	Rosaceae Oleaceae Amaryllidaceae		(B)	Graptophyllum hortense
	(B)			(C)	Tabernaemontana
	(C)				coronaria
	(D)	Araceae		(D)	Bauhinia tomentosa
BG-	- 1A/7	7	(16)		Contd.

109.	Whi	ch is a flowering annual?	1	13.	Glad	diolus is propagated by:
	(A)	Cosmos sp.			(A)	Cuttings And Chapter (A)
	(B)	Petunia sp.			(B)	Tubers of American American
D.	(C)	Celosia argentea			(C)	Suckers ()
	(D)	All of these			(D)	Corms Common and Common
110.	Whi	ch is living component of	a 11	14.	Pinc	hing is a common practice in :
	gard	len?			(A)	Chrysanthemum
	(A)	Topiary			(B)	Marigold
	(B)	Rockery			(C)	Carnation
	(C)	Fountain			(D)	All of these
elle.	(D)	Arches	11	15.	Esse	ential oil yielding flower crop is :
111.	The	ploidy level of Delhi crossandra			(A)	Tuberose
	(A)	Diploid			(B)	Crossandra
	(B)	Triploid			(C)	Carnation
	(C)	Tetraploid			(D)	Chrysanthemum
	(D)	Hexaploid	11	6.	The	lawn grass suitable for shade
112.	Bull	head is disorder of :				tions:
	(A)	Carnation			(A)	Cynodan intermedius
	(B)	Gerbera			(B)	Sporobolus tremulus
	(C)	Rose			(C)	Poa annua
	(D)	Anthurium	1		(D)	Stenotaphrum secundatum
BG-	- 1A/7		(17)			(Turn over)

117.	Dese	rt rose is : 10 10 110 110 110 110 110 110 110 110		(C)	Hindu garden
	(A)	Agave americana		(D)	British garden
	(B)	Adenium obesum	121.	The	minimum germination
	(C)	Sansveria zeylanica			entage required for certified
	(D)	Furcarea watsoniana			s of seed of tomato is:
118.	Caly	x splitting is the disorder		(A) (B)	70% 75%
	associated with:			(C)	80%
	(A)	(A) Carnation		(D)	60%
	(B)	Orchids	122.	The	minimum isolation distance
	(C)	Chrysanthemum		bein	g maintained for Foundation
	(D)	Tuberose		clas	s of seed in cucurbits is:
119.	lka-	bana is a type of flower		(A)	50 m
	arra	ngement practised in :		(B)	200 m
	(A)	China		(C)	1000 m
	(B)	British world		(D)	1000111
	(C)	Japan	123		nness – a degree of softness or
	(D)	India			pness of fruits is measured by
120	Van	ams and Ashsrams are key		(A)	Penetrometer
120		nponents of :		(B)	Spectrophotometer
	(A)	Moghul garden		(C)	
	(B)	Japanese garden		(D)	
BC.	_ 1A		3)		Contd.

24.	Coat	ings are applied to foods:		(R)	Glutamic acid
	(A)	To improve appearance		(C)	Methionine
	(B)	To provide barrier to movement		(D)	Tryptophane
		of moisture	128.	The	deciduous fruit trees undergo
	(C)	To add value to the basic		dorn	nancy during:
		products		(A)	Winter
	(D)	All of these		(B)	Spring
25.	Sag	o is an important product		(C)	Summer
	prep	ared from :		(D)	Autumn
	(A)	Cabbage	129.	Acc	ording to ICMR, the per capita
	(B)	Cassava		vege	etable requirement is:
	(C)	Tomato		(A)	100 g
	(D)	Rose		(B)	300 g
126.	Wha	at is pot pouri?		(C)	400 g
	(A)	Fresh flower arrangement		(D)	500 g
	(B)	Style of gardening	130	Gro	wing of trees for aesthetic or
				scie	entific or education purpose is
	(C)	Bonsai making		kno	wn as:
	(D)	Dry flower arrangement		(A)	Social forestry
127	. The	substrate for ethylene production		(B)	Agroforestry
	in p	ants:		(C)	Silviculture
	(A)	Lysine		(D)	Arboriculture
BG	- 1A	7	(19)		(Turn over)

131.	-	type of soil is suitable for	135.	The	com	monly employed planting
	hortic	cultural crop production.		ovet	om in	undulating alapsy hills is :
	(A)	Sandy soil		Systi	emin	undulating sloppy hills is:
	(B)	Loamy soil	4.0	(A)	Cor	ntour
	(C)	Claysoil		(B)	Qui	ncunx
	(D)	Calcareous soil		(C)	Hex	ragonal
132.		rreversible increase in size and ht of the plant is known as :	N	(D)	Squ	iare
	(A)	Development	136.	Con	sider	the following statements in
	(B)	Senescence		resp	ect	of advantages of green
	(C)	Growth		hous	se cu	Itivation:
	(D)	Aging			(l)	Minimum water
133.	The	time interval between flora			(1)	
1	prim	ordia emergence and spathe				requirement
	oper	ning in coconut is:			(II)	Easy to protect from pest
	(A)	12 months				and diseases
	(B)	24 months			ans.	
	(C)	32 months			(III)	Plants can be grown only
	(D)	48 months				in specific season in a
134.	Hex	agonal system of planting	1			year
	acco	mmodates % more		Whi	ch sta	atement(s) is true ?
	trees	s than square system.		(A)	(h) (
	(A)	11		(٨)	(1), (
	(B)	15		(B)	(1), (II), (III)
	(C)	22		(C)	(II),	(III)
	(D)	33		(D)	(1), (III)
BG-	- 1A/7	,	(20)			Contd

137.	Hydro	ophonics was first developed	Pri Pri	(B)	1-2 rania to success and that
	by:	Sidnova di Enswolteisme)		(C)	12 – 15
	(A)	A. H. Wilson		(D)	10 – 12
	(B)	W. F. Greicke			
	(C)	J. S. Watson	141.	The	common system of training
	(D)	Z. Griffith		prac	ticed in grapes and cucurbits is:
138.	The	permanent cover of grass in fruit		(A)	Kniffin 197 (1978) and 1984
	orcha	ard is:		(B)	Bower
	(A)	Mulching		(C)	Espalier
	(B)	Cover cropping		(D)	Telephone
	(C)	Sod mulch			· · · · · · · · · · · · · · · · · · ·
	(D)	Sod	142.	Note	ching is practiced in :
139.	The	crop occupying first tier in		(A)	Mango
	multi	itier cropping system is:		(B)	Mandarin orange
	(A)	Cocoa		(C)	Fig Amazon Masta (a)
	(B)	Ginger		(D)	Guava Managa (3)
	(C)	Arecanut	143	Gla	diolus is propagated by:
	(D)	Pineapple		(A)	Cuttings
140.	A fru	uit tree with number of			nženiX (A)
	scaffold branches is considered as			(B)	Tubers ABI (8)
	stro	ng one.		(C)	Suckers (5)
	(A)	5-8 98 (G)		(D)	Corms sinelystia (G)
BG	- 1A/	7	21)		(Turn over)

144.	The p	oractice of removing the growing	148.		is used to i	nduce more
	point	in shade trees is:		fema	ale flowers in cucur	bits.
	(A)	Coppicing		(A)	Zeatin Hostiyy	A AL
	(B)	Lopping		(B)	NAA	an id
	(C)	Pinching 2 Common State 18		(C)	Gibberellic acid	
	(D)	Pollarding		(D)	Etherel	
145.	The	reason for requiring cross	149.	Fruit	size of grapes is e	enhanced by:
	pollir	nation in horticultural crops :		(A)	50 ppm GA ₃	
	(A) Dioecy			(B)	5 ppm GA ₃	
	(B)	Dichogamy		(C)	500 ppm GA ₃	
	(C)	Self-incompatibility		(D)	250 ppm GA ₃	sO (H) :
	(D)	All of these	150	. The	brine solution	n contains
146	Sten	no-spermocarpy is associated	1 2022		% of salt.	o (0)
140.	with:			(A)	5	
		Thompson seedless		(B)	15	Bolilum - 23
	(A)			(C)	25	
	(B)	Black corinth		(D)		
	(C)	Banana WEUE (U)	151	Tho	average height o	of transenhere
	(D)	Guava			er of the atmosphere	
147	. Roo	ting hormone is :			ove the mean sea le	ig (m
	(A)	Kinetin	16.15	(A)	25 diw ea	When A. Oat
	(B)	IBA		(B)	or 75 at apploach i	
	(C)	Gibberellic acid		(C)	14	
	(D)	Ethylene (0)		(D)	60	2 (A)
BC.	_ 1 \(\Delta \)	7	(22)			Contd

152	The	value of solar constant is:		(C)	Deh	nradun
	(A)	2 cal/cm ² /minute		(D)	Pun	a S D or SO A - u.A)
	(B)	10 cal/cm ² /minute		(5)	1 011	avorin brisk 0 - v81
	(C)	25 cal/cm ² /minute	156.	Whi	ch of	the following statement(s)
	(D)	12 cal/cm ² /minute		is/aı	re cor	rect?
153.	The	aggregation of minute drops of			(1)	Sandy soils are coarse
	wate	er suspended in the air at higher				textured
	altitu	udes is called as :			(II)	They have large pore
	(A)	Rain			()	18 Ob. (4)
	(B)	Cloud				spaces
	(C)	Snow			(III)	They have high water
	(D)	Dew				holding and nutrient
154		are the lines connecting				retaining capacity
				(A)	(1), (11)
		ous locations, having an equal		(B)	(D) (II	(), (III)
	amo	unt of precipitation.				
	(A)	Isotherm		(C)	(11), (1	
	(B)	Isohaline		(D)	(1), (11) aportis (C)
	(C)	Isohume	157.	The	nutrie	ent deficit in alkali soil, but
	(D)	Isohyets		is un	availa	able in acidic soil is :
155.	Whe	re is Indian Institute of Remote		(A)	Zinc	, with party (A)
	Sens	sing located?		(B)	Boro	n dedepined (8)
	(A)	Chennai		(C)	Iron	10) Okuma 19
	(B)	Bangalore 1994		(D)	Man	ganese (1941–195)
BG-	1A/7	(23)				(Turn over)

158. The particle size of silt is:	162. Flooding is followed for
(A) 0.02 to 0.2	(A) 2-cellori minure
(B) 0.2 and above	(A) Mango (B) Banana
(C) 0.002 to 0.02	(C) Pineapple
(D) 0.002 and below	(D) Papaya
159. The nitrogen content of urea is:	163. Which of the following statement(s)
(A) 25.6%	is/are correct?
(B) 20.6%	The advantages of drip irrigation
(C) 46.0%	are : (I) Water saving
(D) 33.0%	(II) Labour saving
160. The nutrient required for vegetative	(III) Increased plant vigour
growth of vegetable crops is:	and yield
(A) Potassium	(IV) Increased weed growth
(B) Phosphorus	(A) (I), (II), (III)
(C) Calcium	(B) (I), (II), (IV)
(D) Nitrogen	(C) (II), (III), (IV)
161. Application of fertilizers through	(D) (I), (III), (IV)
irrigation is known as	164. The irrigation frequency is deter- mined by:
(A) Fertigation	(A) Nature of soil
(B) Fumigation	(B) Rate of absorption by plants
(C) Chemigation	(C) Root system of the crop
(D) Herbigation	(D) All of these
RG - 14/7	24) Contd.

165.	The	quantity of water that should be	168.		are chemicals
	supplied to crops is not influenced				able of killing or inhibiting the wth of weed plants.
	by:			(A)	Pesticides
	(A)	Annual precipitation		(B)	Nematicides
	(B)	Stage of the crop		(C)	Insecticides
	(C)	Nutrient use efficiency		(D)	Herbicides
bris r	(D)	Water use efficiency	169.		rolled by:
166.	The	weeds such as Chenopodium sp		(A)	Bactra verutana
	and Portulaca sp are having more			(B)	Coctoblastis cactorum
	affinity to			(C)	Crocidosema lantana
	(A)	Nitrogen		(D)	Melanagromyza cuscutae
	(B)	Phosphorus	170.		ch is a post-emergence
	(C)	Potassium		(A)	Atrazine
	(D)	Sulphur		(B)	Pendimethalin
				(C)	Butachlor
167.	Whic	ch among the following is not a		(D)	Glyphosate
	princ	siple in weed control?	171.	Cent	tral Research Institute for Dryland
	(A)	Prevention		Agric	culture is located at :
	(B)	Introduction		(A)	Hyderabad
	(C)	Eradication		(B)	New Delhi
	(0)			(C)	Pune (A)
	(D)	Management		(D)	Jaipur
BG-	1A/7	(25)		(Tum over)

172.	Dry	farming is practised in areas
	wher	e the annual rainfall is:
	(A)	More than 1250 mm
	(B)	Less than 1000-1250 mm
	(C)	Less than 750 mm
	(D)	750-1000 mm
173.	The	characteristic of dry land zone :
	(A)	Prolonged dry spells during the
		crop period
	(B)	Adequate and even distribution
		of rainfall
	(C)	High moisture retention
		capacity of soil
	(D)	Fertility of soils is high
174	. Phe	enyl Mercuric Acetate (PMA) is
		type of anti-transpirant.

Stomatal Closing

Growth retardant

by

enhances the water uptake as well

as the water relations in the plant

osmoregulation

Film forming

Reflective

175. Application of

tissues

(A)

processes.

Nitrogen

(A)

(B)

(C)

- (B) Potassium
- (C) Sulphur
- (D) Iron

176. Integrated Farming System emphasizes on:

- Introduces a change in the farming techniques for maximum production in the cropping pattern and takes care of optimal utilization of resources.
- The farm wastes are (11) better recycled for productive purposes in the integrated system.
- A judicious mix of (III) agricultural enterprises like dairy, poultry, piggery, fishery, sericulture etc. suited to the given agroclimatic conditions and socio-economic status of the farmers would bring prosperity in the faming.

Among the above statements, which are correct?

- (1), (11), (111)
- (C) (II), (III)
- (I), (III) (D)

177.	Whic	ch is a component of integrate	ed	(C)	Organic Farming
	Farm	ning System?		(D)	Ranching Farming
	(A)	Crops	181.	For	tomato hybrid seed production
	(B)	Livestock			ratio of female to male lines is:
	(C)	Birds			10:1
	(D)	All of these			The second Co.
				(B)	4:1 max = 1
178.		th Indian state has the highe	est	(C)	1:1
	tertili	zer consumption (kg/ha) ?		(D)	15:1
	(A)	West Bengal			russpanning by a SC 21 CS ASSETT
	(B)	Maharastra	182.	See	d control order was established
	(C)	Punjab			Patricipal (A. (18)
	(D)	Tamil Nadu		(A)	1966
				(B)	2001
179.	Farming System is a :				
	(A)	Atomistic approach		(C)	1983
	(B)	Individual approach		(D)	2002
	(C)	Holistic approach	183.	Fors	seed production, the seed rate /
	(D)	Both (B) and (C)		ha fo	or Bellary onion is :
100	Dive			(A)	5 kg
100.	Dive	rsified Farming System	18	(D)	9 kg
	othe	wise known as :		(B)	8 kg
	(A)	Integrated Farming System		(C)	1 kg
	(B)	Specialized Farming		(D)	15 kg
BG-	1A/7		(27)		(Turn over)

184.	The i	solation distance for certified	(B)	Variable cost
	class of seed production in		(C)	Total cost
	amar	anthus is	(D)	Marginal cost
	(A)	100 m	100 0	that would be proving quality of
	(B)	200 m		bol used to ensure quality of
	(C)	500 m	agric	cultural produce in India is :
	(D)	1000 m	(A)	ISI
185.		is a designated	(B)	AGMARK
		ase in beans seed production.	(C)	BIS
	(A)	Bacterial blight	(D)	Hallmarks
	(B)	Anthracnose	189. Inco	ome tax is a :
	(C)	Bean mosaic	(A)	Direct tax
	(D)	All of these	(B)	Indirect tax
186.	Ave	rage Physical Product (A. P. P.)	(C)	Value Added Tax
	will be equal to (Y = output, X = input):		(D)	Advalorem tax
	(A)	X/Y		
	(B)	X/Y×100	190. Op	portunity cost is :
	(C)	Y/X.	(A)	Cost of supplementary
187	(D)	Y/X×100		enterprise alternative foregone
	. Wh	ich among the following is	(B)	Cost of next best
	ove	rhead cost?	(C)	Cost of cultivation
	(A)	Fixed cost	(D)	Cost of production

(28)

BG - 1A/7

Contd.

191	The co-efficient of correlation ranges			194. The formula for error degrees of freedom in Randomized Block		
	from:					
	(A) -1 to +1		Design with 't' treatments and 'r' replications is:			
	(B)	0 to 1		(A)	rt-1	
	(C)	-1 to + 1 (1) (A)		(B)	(t-1) (r-1)	
	(D)	1 to 2	eq. io		(t-1)(r+1)	
192.	The	design experiment suitable for	195.		(t+1)(r+1) ch is not a measure of	
	lab experiment is:		dispersion?			
	(A)	Split Plot Design		(A)	Range	
	(B)	Completely Randomized		(B)	Variance	
		Design (CRD)		(C)	Standard Deviation	
	(C)	Randomized Block Design		(D)	Mediun	
		(RBD)		and is	trap crop for diamond back moth	
	(D)	Factorial RBD		(A)	Maize	
193.	A bell shaped curve is a common type of distribution for a variable, is known as			(B)	Mustard	
				(C)	Marigold	
				(D)	Knol-khol	
	(A)	Correlation Regression	197.	Bio-c	control agent is :	
				(A)	Phytophthora palmivora	
	(B)			(B)	Fusarium oxysporum	

(C) Normal distribution

(D) Poisson distribution

(C) Bacillus thrungiensis

(D) Alternaria solani

198. Sucking pest is:

- (A) Thrips
- (B) Beetles
- (C) Weevils
- (D) Borers

199. The spray volume required per hectare in power sprayer is:

autoan 111

(A) 100 - 120 lit.

- (B) 300 350 lit.
 - (C) 600-650 lit.
 - (D) 450 500 lit.

200. Nematode repellent crop is:

- (A) Tomato
- (B) Brinjal
- (C) Sunhemp
- (D) Carrot

notelened (A)

SPACE FOR ROUGH WORK