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Question Booklet Alpha Code



	Question Booklet SI. No.
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Total Number of Questions: 100 Time: 90 Minutes

Maximum Marks: 100

INSTRUCTIONS TO CANDIDATES

- 1. The Question Paper will be given in the form of a Question Booklet. There will be four versions of Question Booklets with Question Booklet Alpha Code viz. **A, B, C** & **D**.
- 2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the Question Booklet.
- 3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- 4. If you get a Question Booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- 5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your Question Booklet is un-numbered, please get it replaced by new Question Booklet with same alpha code.
- 6. The Question Booklet will be sealed at the middle of the right margin. Candidate should not open the Question Booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the Question Booklet supplied to him/her contains all the 100 questions in serial order. The Question Booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- 8. A blank sheet of paper is attached to the Question Booklet. This may be used for rough work
- 9. Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- 10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- 11. Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- 13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

A -2-

1.	 i. 'Agriculture' term is derived from Greek la ii. Agriculture is an art because it involves paranner. iii. It is a science as it utilises modern technoprinciples. iv. Agriculture as a business always does not A) Only i and iii B) Only ii and iv 	anguage. performing operations ologies developed or	s in a skillful n scientific		
2.	 Which of the following branches of Agricultur protection group? A) Agronomy, Agricultural Entomology, Plant B) Nematology, Plant Pathology, Agricultural C) Agronomy, Agricultural Meteorology, Agricultural Plant Pathology, Agricultural Meteorology 	nt Pathology al Entomology ricultural Entomology			
3.	 Which pair of the following poultry diseases, does originate from bacterial pathogen ? A) Fowl plague and Coccidiosis B) Brooder pneumonia and Infectious Bursal Disease C) New Castle Disease and Marek's disease D) Pasteurellosis and Pullorum disease 				
4.	. Which one of the following varieties of Mang A) Ratna B) Swarnarekha (go is not a hybrid ? C) Amrapalli	D) Mallika		
5.	•	mental flowering shruB) Amaryllidaceae D) Asclepiadaceae	ub Crossandra.		
6.	 The red yellow colour of Onions, is due to the anthocyanin and A) Xanthophyll B) Beta carotene 	ne presence of pigme C) Capsanthin	ents D) Quercetin		
7.	 Which one of the following statements is not correct about formal/Moghul style gardening? A) Straight and central axis B) Symmetric outlay with squares and rectangles C) Natural and holistic style with curvaceous outlines D) Features like pools and cascades 				

8.	Which one of the followard A) Adiantum — N B) Bryophyllum — C C) Asparagus — P D) Crocus — A	lephrolepis Crassula Philodendron	lants belongs to succ	ulents category ?
9.	•	of earth with compact on prepared site and be eces are mixed with so thod of lawn making its sis wrong	grasses on them. beaten down with a tu soil-cowdung paste be	rf beater in turfing. efore turfing. is wrong
10.	In the care and maint statements, is false? A) Irrigate sufficiently B) Give indirect or di C) Pinch and prune v D) Keep shorter plan	v always ffused sunlight whenever necessary		e following
11.	The starting months of and restand	spectively. nber-October and Dec er, April-May and Dec ry, April-May and Sep	cember-January cember-January tember-October	,
12.		above the earth's sur helps in planning crop e from ill effects of flo ng judicious irrigation. ove statements is corr orrect	face' oping patterns ods, cyclones etc.	correct
13.	The Greek word 'Klim of earth.			
	A) Slope	B) Height	C) Range	D) Time

A

14.	Read the statements and choose the corr i. Polar climate has very low temperatur ii. Subtropical climate has low temperatur iii. Tropical climate has high temperature iv. Temperate climate has high temperatur winter. A) i and ii wrong – iii and iv correct C) ii and iv wrong – i and iii correct	e through out the year. re through out the year through out the year.	r. temperature in and iv correct
15.	Management of floods can be done by me A) Increase capacity of channels to carry B) Conserve water in soil where it falls by C) Both D) None	excess water direct to	
16.	Which one of the following is a weather for A) Agroclimatic zonation C) Remote sensing	recasting tool ? B) Synoptic chart D) Crop model	
17.	Medium range weather forecasting type has A) Upto 72 hours B) Beyond 3 days and upto 10 days C) Beyond 10 days, upto a month and a second 10 days.		
18.	Which one of the following is not a Rabi C A) Peas B) Grams	crop ? C) Mustard	D) Cotton
19.	 In Kerala Black soil is found in A) Chittoor taluk of Palakkad district B) Southern part of Thiruvananthapuram C) Kuttanad D) Karunagappally, Karthikappally and Malappuzha district 		ollam and
20.	Which one of the following is not a reason A) Heavy rainfall with high relative humid B) Continuous application of ammoniacal C) Excessive irrigation containing Sodium D) Application of elemental sulphur	ity fertilizer	ge

21. In the erosion process the soil particles move in a series of short bounces the surface of the ground is				unces along		
	A) Surface creep	B) Saltation	C)	Suspension	D)	Sheet erosion
22.	Which of the following A) Blood meal C) Oil cakes	g is not a concentrate	B)	ganic manure ? Fish meal Farmyard manure	Э	
23.	An example for symbol A) Azotobacter	iotic nitrogen fixing ba B) Rhizobium		ria Clostridium	D)	Trichoderma
24.	Plant suitable for gree A) Sunnhemp	en manuring in-situ B) Subabul	C)	Gliricidia	D)	Cassia
25.	Soil sampling depth for A) 5 cm B) 15 cm C) 22 cm D) Three soil samples		1			
26.	Agronomic measure of A) Contour bunding C) Contour trenching		B)	ation is Basin Listing Contour farming		
27.	Which nutrient form the A) Calcium	ne core constituent of B) Phosphorous		ring structure of o		rophyll ? Potassium
28.	Which of the following A) Diammonium phosp	sphate	B)	Nitrophosphate Ammonium sulph	ate	
29.	Which one of the followard A) Rock phosphate C) Triple super phosphate		B)	atic fertilizer ? Single super pho Urea	sph	ate
30.	Coimbatore method of A) Aerobic B) Anaerobic C) Initial anaerobic de D) Aerobic followed by	ecomposition followed	d by	v aerobic		

A

31.	Soil sampling tool is A) Soil tube	B) Soil auger	C) Spade	D) All the above
32.	Which statement is c i. Mushroom belong in coir pith.	,	coir pith composting? us degrade cellulose a	,
33.	B) Arrangement of sC) Express percenta	ss and coarseness of	the soil ay	
34.	Which of the followin i. Disc plough ii. Disc harrow iii. Mould board plou iv. Cultivator A) i and ii			ment ? D) ii and iv
35.	Which plough can wo A) Disc plough C) Country plough	ork well when soil is to	oo hard and sticky ? B) Disc harrow D) Mould board plou	ugh
36.	Which component of A) Swirl plate C) Strainer	the nozzle breaks the	e fluid into fine droplets B) Nozzle disc D) None of the above	
37.	Which of the followin A) Reduce deep per B) Control weeds C) Soil becomes sof D) Destroys soil stru	colation losses of wat		
38.	Which of the followin A) No tillage C) Clean tillage	g is not a conservatio	n tillage ? B) Minimum tillage D) Stubble mulch till	age

20	Objective of tillage	
55.	i. Improving soil aeration.	
	ii. Minimize resistance to root penetration.	
	iii. Incorporate and mix fertilizers and soil a	amendments.
	iv. Incorporate crop stubbles.	D) ii and ii:
	A) i and ii C) iii Only	B) ii and iv D) i, ii, iii and iv
40.	Plough that cuts soil and make 'V' shaped	•
	no inversion A) Indigenous plough	B) Mould board plough
	C) Disc plough	D) Chisel plough
4.4	,	,
41.	Which of the following is not a safety preca A) Wear appropriate clothing	ution while using sprayer?
	B) Avoid spraying during wind	
	C) Smoke while mixing or applying pesticion	de
	D) Never empty the tank into irrigation can	al
42.	Knapsack sprayer is an example for	
	A) High volume sprayer	B) Low volume sprayer
	C) Ultra low volume sprayer	D) None
43.	Which statement is incorrect with regard to	
	A) Deep opening and loosening of the soil	
	B) Uproot and incorporate weeds and cropC) Tillage operations carried out in the star	
	D) Tillage operations that are done to prep	
11	Field is divided into different strips separate	ed by levees and water is given to each
77.	strip is called	bu by levees and water is given to each
	A) Furrow irrigation B) Basin irrigation	C) Border irrigation D) Flooding
45.	Among the following statements, select the i. A suitable pump is not necessary in fan ii. Inline drip irrigation is suitable for row c	nily drip irrigation.
	iii. Pressure compensating dripper change	•
	A) Statements i and ii are correctB) Statements ii and iii are correct	
	C) Statements i and iii are correct	
	D) All are correct	

46.	Water comes out as f A) Micro sprinkler C) Pop up sprinkler	ountain like or umbrel	B)	ke pattern in Bubbler Overhead sprinkl	er	
47.	Which among the folloequipment? A) The Chadas					
48.	The process in which force is called	,	·		ŕ	
	A) Percolation	B) Runoff	C)	Infiltration	D)	Leaching
49.		oth micropores and n water at field capacit	nacı y.	ropores of soil are		
	A) Statements i and iC) Statements i and i		,	Statements ii and All are correct	l iii a	are correct
50.	Which of the following i. Centrifugal pump ii. It has low mainten iii. It can handle visco A) Statements i and i C) Statements i and i	has high efficiency. ance requirement. ous liquids. i are correct	B)	re correct ? Statements ii and All are correct	l iii a	are correct
51.	The concentration of fertigation. A) Fertilizer Injection C) Fertilizer Tank		B)	e when we are usi Ventury Injector None of these	ing ₋	for
52.	Which is the most suit A) Jet Pump C) Propeller Pump	table pump for lifting v	B)	er from borewell Vertical Turbine F Submersible Pur		р
53.	Electrical conductivity A) Acidity	is a measure of B) Alkalinity	C)	Salinity	D)	Sodicity

A -9-

54.	The tag colour used to	o identify registered o	lass	s of seed is		
	A) Blue	B) Purple	C)	Golden Yellow	D)	White
55.	The minimum germina	ation percentage for r	rice	for seed certificati	on i	S
	A) 70	B) 75	C)	80	D)	85
56.	Among the following pwood cuttings	olants given below, se	elec	t the plant propaga	ated	d by semi hard
	A) Croton	B) Rose	C)	Jasmine	D)	Pomegranate
57.	Average number of co		odu	ced from each mo	ther	plant through
	A) 30	B) 40	C)	50	D)	60
58.	ii. Rootstocks are tak iii. For separating gra	ock in approach grafting to mother plant for the mo	ng is or gr ide (s 1-1.5 month. afting. on scion just abov		
	A) Only statement i is	correct	B)	Only statement ii	is c	orrect
	C) Only statement iii	is correct	D)	All are correct		
59.	The following budding the bark.	g method is preferred	in p	plants where it is d	ifficı	ult to slip off
	A) T budding	B) Patch budding	C)	Chip budding	D)	Ring budding
60.	Select the pair of chertissue culture. A) Sodium hypochlor B) Sodium hypochlor C) Calcium hypochlor D) Sodium hypochlor	ite and Calcium hypo ite and Mercuric chlo rite and Chlorine	chlo	orite	infe	ectants in
61.	Most popular method A) Splice grafting	in grafting tomato is	B١	Side grafting		
	C) Wedge grafting		,	Softwood grafting	ו	
	,		- /		,	

62.	Plant growth hormone that is not used for A) Naphthalene Acetic acid C) Maleic Hydrazide	oroducing male sterility in plants B) Tri lodo Benzoic acid D) Kinetin
63.	Which hormone induces apical dominance A) Cytokinin B) Gibberellins	in plants ? C) Ethylene D) Auxin
64.	Select the true Statement from the following i. Emasculation is removal of stamens from ii. Emasculation is removal of stamens from iii. Emasculation is necessary in bisexual A) Statements i and ii are correct C) Statements i and iii are correct	om male parent. om female parent.
65.	Bacterial wilt resistant rootstock used for g A) Solanum nigrum C) Solanum tuberosum	rafting in Brinjal B) Solanum melongena D) Solanum torvum
66.	For the control of burrowing nematode in the measures is correct? i. Use Nematode free rooted cuttings for ii. Apply talc based formulation of <i>Bacillus</i> the time of planting of vines. iii. Apply talc based formulation of <i>Bacillus</i> the time of planting of vines. A) Only i and ii C) All of the above (i, ii and iii)	raising new plantation. s macerans @ 10gm/vine in basins at
67.	In brinjal when infestation of sucking pests severe, Which of the following control mea i. Spray Thiamethoxam 25 WG @ 50 gm ii. Cultivate resistant varieties like Surya, iii. Nursery treatment with <i>Bacillus macera</i> A) Only i and ii C) Only ii and iii	sures are to be taken ? ai/hectare. Swetha and Haritha.

68.	88. Damping off disease in nursery beds of Cauliflower can be controlled by applying				
	A) Dimethoate 0.05%	B) Malathion 0.05%			
	C) Copper oxychloride 2g/l	D) Diafenthiuron 50wp @ 300 gai/hec			
69.	Which of the following are example for Egg i. <i>Trichogramma japonicum and Tetrastyc</i> ii. <i>Trichogramma japonicum and cotesia s</i> iii. <i>Telenomus chilonis and Tetrastychus s</i> A) Only i and ii	sp.			
	C) Only i and iii	D) All of the above (i, ii and iii)			
70.	For controlling Downey mildew in bitter got spraying combination fungicide is effective i. Caboxin 17.5% + Thiram 37.5% wp ii. Metalaxyl 8% + Mancozeb 64% wp iii. Cymoxanil + Mancozeb 2g/l A) Only i and ii	urd, which of the following foliar			
	C) Only ii and iii	D) None of the above (i, ii and iii)			
71.	Which of the following pesticides banned fo i. Aldrin and Chlordane ii. Cypermethrin and cartap iii. Nitrofen and Endrin A) Only i and ii C) Only ii and iii				
72.	An example of Systemic fungicide A) Fluzilazole 40 EC C) Thiophanate 50 wp	B) Mancozeb 75 wp D) Propineb 50 wp			
73.	The appearance of rectangular linear reddi surface of leaves in cardamom is a charact A) Stem rot C) Azhukal	•			
74.	Klass is the trade name of which herbicide A) Glyphosate B) Diuron	e? C) Oxyfluorofen D) Pretilachlor			

Α

75.	The bio fertiliser which A) VAM/AMF	h improves the uptake B) BGA		available P by the i Azosprillum		ulated plants. Rhizobium
76.	The generally used p i. Poly bag plants, b ii. Budded stumps, b iii. Seedling stumps,	oudded stumps oud wood	ubb	er are		
	A) Only ii and iii		B)	Only i and iii		
	C) Only i		D)	All of the above (i	i, ii a	and iii)
77.	Mauritius variety of property of purpose and distant ri. Long duration and ii. Short duration and iii. Better fruit quality	marketing due to its d bigger size of fruit. d keeping quality.	nded	I for commercial c	ultiv	ration for table
	A) Only i and iii		B)	Only ii		
	C) Only ii and iii		D)	None of the abov	е	
78.	A day neutral cultivar fruits.	•				
	A) Tioga	B) Torrey	C)	Selva	D)	Belrubi
79.	The Mango variety su A) Alphonso C) Chausa	usceptible to spongy t	B)	e. Banganapalli Bombay green		
80.	A major disorder in ca		C)	Flower shower	D)	Color politting
	A) Leaf scorching	b) Disbudding	C)	Flower shower	D)	Calyx splitting
81.	The essential element cell division, pollen go A) Molybdenum	t which plays important ermination in horticult B) Copper	ural	•		ohotosynthesis, Chlorine
82.	A major physiological A) Gamboge	l disorder in Mangoste B) Black tip		Jhumka	D)	Spongy tissue

A -13-

83.	'Cherelle' is the young A) Litchi	g fruit of B) Loquat	C) Rambutan	D) Cocoa	
84.	The commonly occurs A) Sun scald	ring disorder in radish B) Blotchy ripening	•	ron deficiency D) Cat face	
85.	The coleus variety rel A) Sree Dhara	eased by CTCRI Thir B) Sree Kala	uvananthapuram C) Sree Dhanya	D) Sree Latha	
86.	Spacing of snake gould A) $3m \times 3m$	ırd B) 2m × 2m	C) 3m × 2m	D) 1m × 1m	
87.	'Friendship' is variety A) Tuberose	of B) Orchid	C) Gladiolus	D) Anthurium	
88.	A fungal disease of Cardamom caused by <i>Phytophthora sp</i> occurring during rainy				
	season A) Azhukal	B) Katte	C) Clump rot	D) Stem rot	
89.	Seed rate of chilli A) 2 kg/ha	B) 2.5 kg/ha	C) 0.5 kg/ha	D) 1 kg/ha	
90.	The tolerable level of light in the tropical region during summer for better growth of Anthurium				
	A) 10%-20%	B) 30%-40%	C) 20%-30%	D) 40%-50%	
91.	A thing that can be da A) Harbour	angerous or cause da B) Hardiness	mage C) Hazard	D) Heifer	
92.	First aid measures for swallowed chemical poisoning i. Intake table salt in a glass of warm water to induce vomiting. ii. Intake mustard oil in a glass of warm water to induce vomiting. iii. Intake castor oil in a glass of warm water to induce vomiting. iv. Intake milk in water to induce vomiting. A) i only B) Both i and ii C) i, ii and iii D) i, ii and iv				
93.	The device used to protect eyes and respiratory tract from toxic gases and				
	aerosols A) Eye shield	B) Gas mask	C) Gloves	D) Apron	

A

94.	Which among the following is not suited to protective measures during the operation of machinery? A) Read the label and Safety Data Sheets carefully and follow the instructions B) Train the workers about safe use and its maintenance C) Protect them with safety switch D) Supply them for use after testing and tagging				
95.	gloves are used as protective A) Silica B) Cotton	re device while handli C) Rubber	ng chemicals. D) Leather		
96.	Agmarknet a portal for dissemination of agriculture marketing information is a joint endeavour of A) DMI and NIC B) DMI and Ministry of Agriculture C) NIC and Ministry of Agriculture D) DMI and Directorate of Economics and Statistics				
97.	The Market in which the produce is either to processors or assemble for shipment to for A) Terminal market C) Retail market		ect to consumer or		
98.	Transporters act as in marketing A) Traders C) Trade supports	of agricultural produc B) Trade planners D) None of the abov			
99.	FSSAI stands for A) Food and Safety Standard Association of India B) Foods and Safety Standard Authority of India C) Food Safety Standard Authorities of India D) Food Safety and Standards Authority of India				
100.	Which among the following is true about Agriculture Export Zone in India? i. There are 80 such zones spread across 20 states. ii. The concept of AEZ was introduced in 2001 through EXIM policy 1997-2001 to take comprehensive look at a particular product. iii. Specific geographic region in a country demarcated for setting up agriculture based processing industries. A) i only B) iii only C) Both ii and iii D) None of the above				

Space for Rough Work

A -16-