1.	Tamarind belon	gs to the family					
	a. Leguminocea	e b.Mora	aceae	c.Anaca	ardiceae	d.Myr	taceae
2.	Citric acid is pre	sent in					
	a.apple	b.guava	c.bana	na	d.cheri	ry	
3.	Cricket ball is a	variety of					
	a.Guava	b.Litchi	c.Man	darin	d.Sapo	ta	
4.	Ultra dwarf root	tstock of apple	is				
	a.M-27	b.M-9	c.M-7		d.MM-	104	
5.	An ideal fruit fo	itric acid is present in apple b.guava c.banana d.cherry cricket ball is a variety of Guava b.Litchi c.Mandarin d.Sapota Ditra dwarf rootstock of apple is					
	a.Sugar & acid	b.Pecti	n & acid	be rich in cid c.Pectin & sugar ripening by gging the bunch oping in ascorbic acid solution en c.High Temperature ot cuttings d.stem cuttin ocated at know d.hyderabad y of cucumber og c.Poinsett d.Arka Jyoti causing ricyness in cauliflower? cess nitrogen actuation of temperature		d.Pectin & fibres	
6.	Bananas can be	b.Pectin & acid c.Pectin & sugar prevented from over ripening by or freezing b.bagging the bunch A solution d.Dipping in ascorbic acid solution takes place due to b.Low Nitrogen c.High Temperature s propagated by b.suckers c.root cuttings d.stem cuttings Research Institute is located at b.shimla c.lucknow d.hyderabad lowing is not a variety of cucumber green b.Pusa sanyog c.Poinsett d.Arka Jyoti lowing is not a factor causing ricyness in cauliflower? deficiency b.Excess nitrogen d.Fluctuation of temperature part of Crocus sativus is					
	a.refregeration	or freezing	b.bagg	ing the b	unch		
	c.Dipping in NA	A solution	d.Dipp	ing in asc	corbic a	cid solution	
7.	Bolting in onion	takes place du	e to				
	a.High Nitrogen	b.Low	Nitroger	า	c.High	Temperature	d.Low temperature
8.	Pointed Gourd i	s propagated b	y				
	Citric acid is present in a.apple b.guava c.banana d.cherry Cricket ball is a variety of a.Guava b.Litchi c.Mandarin d.Sapota Ultra dwarf rootstock of apple is a.M-27 b.M-9 c.M-7 d.MM-104 An ideal fruit for making jelly should be rich in a.Sugar & acid b.Pectin & acid c.Pectin & sugar d.Pectin & fi Bananas can be prevented from over ripening by a.refregeration or freezing b.bagging the bunch c.Dipping in NAA solution d.Dipping in ascorbic acid solution Bolting in onion takes place due to a.High Nitrogen b.Low Nitrogen c.High Temperature d.Low temper Pointed Gourd is propagated by a.seeds b.suckers c.root cuttings d.stem cuttings Central Potato Research Institute is located at a.darjeeling b.shimla c.lucknow d.hyderabad Which of the following is not a factor causing ricyness in cauliflower? a.Molybdenum deficiency b.Excess nitrogen c.High Humidity d.Fluctuation of temperature The commercial part of Crocus sativus is a.seed b.stigma c.anthers d.petals Which chemical acts as an aid for mechanical harvesting a.ethephon b.GA ₃ c.IBA d.ABA The scientific name of Java Citronella is a.Cymbopogon winterianus d.Cymbopogon somniferum Which of the following is known as king of temperate fruit		gs				
9.	Central Potato F	Research Institu	te is loc	ated at			
	a.darjeeling	b.shimla	c.luckn	iow	d.hyde	rabad	
10.	Which of the fo	llowing is not a	variety	of cucum	ber		
	a.Japanese long	green b.Pusa	sanyog	c.Poins	ett	d.Arka Jyoti	
11.	Which of the fo	llowing is not a	factor ca	ausing ric	cyness ii	n cauliflower?	
	$a. \\ Molyb denum$	deficiency	b.Exce	ss nitrog	en		
	c.High Humidity		d.Fluct	uation o	f tempe	rature	
12.	The commercial	part of Crocus	<i>sativus</i> i	s			
	a.seed	b.stigma	c.anth	ers	d.peta	ls	
13.	Which chemical	acts as an aid f	or mech	anical ha	arvestin	g	
	a.ethephon	b.GA ₃		c.IBA		d.ABA	
14.	The scientific na	me of Java Citr	onella is				
	a.Cymbopogon	flexuosus	b. <i>Cyml</i>	bopogon	citratas	5	
	c.Cymbopogon	winterianus	d. <i>Cyml</i>	bopogon	somnife	erum	
15.	Which of the fo	llowing is know	n as king	g of temp	erate fr	uit	
	a.apple	b.Mango	c.Pinea	apple	c.ber		
16.	Which of the fo	llowing fruit is v	videly re	garded a	as the ki	ng of nuts	
	a.Cashewnut	b.coconut	c.waln	ut	d.almo	nd	
17.	India is the large	est producer of					
	a.cut flowers	b.loose	flowers	5	c.dry fl	owers	d.all of the above
18.	Dr.B.P Pal is a al	so famously ass	sociated	with			
	a.rose	b.carnation		c.jasmi	ne	d.mar	igold
19.	African daisy is a	a commonly ref	ered to				
	a.chrysanthemu	ın b.dahli	a	c.tulips		d.gerbera	

20.	Origin of bonsa	i is							
	a.japan	b.korea	Э	c.china		d.vietn	am		
21.	The person who	o first pr	eserved	food in	glass co	ntainers	was		
	a.Needham	b.Nich	olas App	ert	c.Robe	rt Hooke	9	d.Louis	Pasteur
22.	Girdling is emp	loyed in	which p	ropagati	on tech	nique			
	a.grafting	b.cutti	ng	c.buddi	ing	d.layer	ing		
23.	Which of the fo	llowing	has High	est chro	mosom	e numb	er		
	a.okra	b.ber		c.ridge	gourd		d.mulb	erry	
24.	Ratna =								
	a.Dashehari x N	leelum	b.neelu	ım x alpl	nonso	c.neelu	ım x das	hehari	d.alphonso x neelu
25.	Chowghat gree	n dwarf	and cho	wghat o	range d	warf are	varietie	s of	
	a.coconut	b.areca	anut	c.cocoa	1	d. coffe	ee		
26.	Hen & Chicken	disorde	r is a disc	order of	which fi	uit			
	a.Litchi	b.citrus	S	c.grape	!	d.aonla	9		
27.	Sex linkage in	drosoph	nila was f	first stud	ied by				
	a.T.H. Morgan		b.Jacok	&Mono	d	c.K.Pea	arson	d.JD W	atson & FHC Crick
28.	Term "gene" w	as coine	ed by						
	a.GJ Mendel		b.W Ba	teson		c.K.Pea	rson	d.W.Jo	hannsen
29.	Pureline theory	was giv	en by						
	a.GJ Mendel		b.W Ba	teson		c.K.Pea	arson	d.W.Jo	hannsen
30.	Which of the fo	llowing	is the ol	dest plar	nt breed	ing met	hod		
	a. Introduction		b.Selec	tion		c.Pedig	ree	d.Single	e seed descent
31.	The phenotypic	ratio of	f F ₂ in m	endelian	dihybri	d cross i	S		
	a.3:1	b.12:3:	:1		c.9:3:3	:1			d.27:9:9:9:3:3:3:1
32.	Heteroploid inc	dividual	with one	chromo	some p	air missi	ng is kno	own as	
	a.Nullisomic		osomic			le mono			d.trisomic
33.	Synthetic seed	is produ			_	matic er	nbryo in		
	a.Calcium Algin			ım chlor			um chlor	ide	d.Sodium Alginate
34.	Which method	is know	n as "Ea	r to row	method	of selec	tion"		
	a.Pedigree			rrent sel	ection	c.prog	eny selec	tion	d.SSD method
35.	Headquarters of	of UPOV	is at						
	a.Switzerland		b.India		c.USA		d.Finla	nd	
36.	NORIN 10 and					_			
	a.Wheat breed	•		oreeding		_	num bre	eding	d.Maize breeding
37.	Which of the fo	_		hanisms		-			
	a.Dicliny	b.proto			c.Prota	ndry	d.All of	these	
38.	Clonal selection		in						
	a.flowering spe					ited spe	cies		
	c.nonflowering	•			of these	9			
39.	Which of the fo	llowing	is locate	d at Nev	v Delhi				

c.NBFGR

a.NBAGR

b.NBAIR

d.NBPGR

40.	Sum total of all deleter	ious genes prese	ent in a s	pecies is called		
	a.genetic advance	b.Genetic erosi	ion	c.genetic load		d.species diversity
41.	The factors responsible	e for Cytoplasmic	: Male St	erility in plants is	s located	l at
	a.RNA b.Nucl	ear DNA	c.Chlor	oplast DNA	d.Mitod	chondrial DNA
42.	Colchicine is generally	used for				
	a.Chromosome doublin	ng	b.Hybri	dization		
	c.Mutation		d.All of	these		
43.	Which of the following	shows high degr	ree of ink	oreeding depress	sion	
	a.selfpollinated plants	b.cucu	rbits	c.broccoli		d.carrot
44.	Which of the following	is a cybrid				
	a.sexual hybrid		b.it is s	ynonomous to h	ybrid	
	c.plant produced by ce	ll culture	d.hybri	d formed by cell	fusion	
45.	A mechanism of self po	ollination where t	flowers o	opens only after	pollinati	on has taken place is
	a.geitonogamy	b.cliestogamy		c.chasmogamy		d.none of these
46.	Mass selection is based	d on				
	a.phenotype	b.genotype		c.pollination		d.climate
47.	Who discovered cell					
	a.robert brown	b.Robert Hook	_	c.Leeuwenhoek		d.M.schleiden
48.	The increased perform	-		s parents is called	d	
	a.Dominance	b.Genetic adva		c.Heterosis		d.Biotype
49.	19. The immediate effect of pollen on the character of endosperm is ca					
	a.Metaxenia	b.Xenia	c.Meso		d.Axeni	a
50.	Chromosomes other th					
	a.autosomes	b.Allosomes	c.heter	osomes	d.autoa	llosomes
51.	A seed is a					
	a.fertilized ovary	b.fertilized ovu	le	c.both	d.none	of these
52.	White tag denotes					
	a.breeder seed	b.foundation se		c.certified seed		d.registered seed
53.	Which of the following					
- A	a.gram b.tama	irind	c.musta	ard	d.sunflo	ower
54.	Dockage denotes		11			
	a.weight of pure seed		_	nt of working sar	-	
	c.purity percentage of			rity percentage o	or seed	
55.	Isolation distance for fo		n Maize			d 4000
F.C	a.50m	b.200m		c.400m		d.1000m
56.	Weight of 100 seeds is			c.seed index		d tost indov
F 7	a.Test weight	b.seed weight	oucina de			d.test index
57.	Which of the following		_	b.Hard seed coa	. +	
	a.seed coats being imp		.CI			
50	c.seed coats being important which of the following		nicod for	d.small size of s		ands
٥٥.	a.KNO ₃	b.GA	c.KMn(_	d.Thio-l	
	a.KINO3	D.UA	CIKIVIII	J 4	u. 11110-1	Ji Ca

	ifference between se	•		
	Moisture content	b.processing method	c.genetic purity	d.cost
		iting seeds in large amou	unt is	
-	Maltose	b.Sucrose	c.Fructose	d.Galactose
	lode of pollination in			
	self-pollinated	b.crosspollinated	c.Vegetative propagation	
62. M	laximum moisture co	=	Triticum aestivum seed	is
	8%	b.10%	c.12%	d.14%
63. In	florescens of cauliflo	wer is called		
a.	head	b.catkin	c.spadix	d.curd
	roduction of seedless	grapes require		
a.	Gibberelins	b.NAA	c.Ethylene	d.IAA
65. Tł	ne first transgenic cro	p was		
a.	Cotton	b.soybean	c.tobbaco	d.maize
66. Sy	Inthesis of amylase in	certain cereal grain is st	rimulated by	
a.	GA b.ABA	c.Cytokinin	d.IAA	
67. Ce	entral rice research in	stitute is located at which	ch state	
a.	Andhra Pradesh	b.Madhya Pradesh	c.Odisha d.West	t Bengal
68. Se	eedlessness in fruits is	called		
a.	parthenocarpy	b.apomixis	c.parthenogenesis	d.none of these
69. In	nmature seed is also	classified as		
a.	pure seed	b.perfect seed	c.complete seed	d.impureseed
70. Tł	ne genome contained	in BREAD WHEAT is		
a.	ABC	b.ABCD	c.ABD	d.ACD
71. Bı	reeder seed is the pro	geny of		
a.	Nucleus seed	b.foundation seed	c.certified seed	d.registered seed
72. In	wheat, production o	f foundation seed need a	an isolation distance of	
a.	3m	b.5m	c.10m	d.50m
73. Fr	reedom from inert ma	tter and defective seeds	s is known as	
a.	genetic purity	b.defective purity	c.physical purity	d.seed purity
74. D	uring osmosis, mover	nent of water takes plac	e from	
a.	Higher to lower wate	r potential	b.Lower to higher conc	entration of solution
c.	Lower DPD to higher	DPD	d.all of the above	
75. Tr	ranspiration pull theo	ry was given by		
a.	Abbe Nollel	b.J.B. Liebig	c.Dixon & Jolly	d.T.D Lysenko
76. PA	AR(photosynthetically	ر active radiation) takes ر	olace at	
a.	300-500nm	b.400-700nm	c.450-750nm	d.500-800nm
77. Tł	ne final product of C ₃	Pathway is		
	OAA	b.PEP-carboxylase	c.3PGA	d.RUBISCO
78. W	hich of the following	•		
	Rice	b.maize	c.Sugarcane	d.Pineapple
٠.,	-		- O	1-1

79.	Among following, which	h crop has lowest photo	synthetic rate.	
	a.Rice	b.Maize	c.sorghum	d.Sugarcane
80.	From one molecule of g	glucose in respiration, th	e gross production is	
	a.2 ATP	b.3 ATP	c.36 ATP	d.38 ATP
81.	Which element is respo	onsible for maintaining th	ne turgor pressure of gua	ard cells
	a. N	b.P	c.K	d.Mg
82.	The loss of water in the	form of vapour in the a	erial living parts of the p	lant is known as
	a.Respiration	b.Photorespiration	c.Transpiration	d.Guttation
83.	Dormancy is induced by	•	·	
	a.ABA	b.Ethylene	c.Cytokinin	d.GA
84.	Which of the following	•	(
	a.Rice	b.Wheat	c.Maize	d.Sorghum
85.	The cold treatment to i	nduce flowering is know		
	a.photoperiodism	b,Vernalization	c.Transpiration	d.Seeding
86.	The term "Photoperiod	,		
	a.Garner & Allard	b.T.D Lysenko	c.Justus von Liebig	d.Buckner
87.	Wheat protein is	, , , ,		
	a.Glycinin	b.Gluten	c.Oryzein	d.zein
88.	Contribution of flag lea			
	a.46%	b.50%	c.52%	d.91%
89.	Vitamin A is known as			
	a.retinol	b.Thiamine	c.ascorbic acid	d.Riboflavin
90.		hormones can replace v		amaonam
50.	a.GA	b.auxin	c.ethylene	d.cytokinins
91.	Calcium is an important		orearry	areycommis
J <u>.</u> .	a.protien	b.cell wall	c.chloroplast	d.Nucleic acid
92		er lost in plants due to tr	•	diffuciele dela
32.	a.88%	b.90%	c.95%	d.99%
93		ed in water, the water co		
55.		ame inside the cell as out		r differ the
	b.Cell bursts	anie maide the centra out	isiae	
		s is same inside the cells	as outside	
		same inside and outside		
9/1	Cell organelle found on		the cen	
54.	a.plastids	b.mitochondria	c.Ribosomes	d.golgi complex
05	Respiration is a	b.mitochonana	c.mbosomes	a.goigi complex
55.	a.exothermic	b.endothermic	c.anabolic	d.catabolic
96	The first event of photo		c.anabolic	a.catabolic
50.	a.a.synthesis of ATP	b.photolysis	c.release of O ₂	
	•	•		
07	·	llorophyll and ejection of	CICCLI OII	
37.	Ethylene is a a.solid hormone	h liquid hormona	c Gasagus anzuma	d.Gaseous hormone
	a.soliu normone	b.liquid hormone	c.Gaseous enzyme	u.daseous normone

09 Under what cor	nditions will the transpir	ration rato ho mavin	aum				
	l atmosphere is dry			umid			
	atmosphere is humid	•	•	iumiu			
				lle.			
•	ructures are usually fou	•		115			
	e and nucleolus	b.cell membrane a					
c.nucleolus and	•	d.nucleus and cell					
	of the following is a natu						
a.benzaldehyde			Ethylene				
	sap(water) from the injured plant poarts due to root pressure is known as						
a.Guttation	b.Hydathodes	c.bleeding	d.de-sa	ping			
	lly kharif crops are						
a.long day plant	• •	nts c.Day neu		of these			
-	ant function of leghaem	_					
a.O₂ regulation	b.N ₂ Fixation	c.water re	gulation	d.Carbon mantainance			
	espiration is high in						
a.C3 plants	b.C4 plants	c.CAM pla	nts	d.all are equal			
105. Phloem	loading is associated w						
a.sugar	b.protien	c.enzymes		d.water			
106. Apical of	lominance is a result of						
a.auxins	b.GA	c.cytokinir		d.ethylene			
107. Pomato	, a hybrid of potato and	d tomato is produce	d by				
a.cytoplasmic fu	usion b.protoplasmic	fusion c.nuclear	fusion	d.mutation			
108. Phyllota	axis is related with the a	rrangement of					
a.fruits	b.flowers	c.leaves		d.veins			
109. In C3 cy	cle, carbon fixation take	es place in					
a.nucleus	b.thylakoid	c.stroma		d.cytosol			
110. Kranz a	natomy is found in						
a.c3 plants	b.c4 plants	c.CAM pla	nts	d. all of these			
111. Which	of the following has bot	h bundle sheath cel	ls and mesoph	nyll cells			
a.c3 plants	b.c4 plants	c.CAM pla	nts	d.none of these			
112. Which	of the following is dicot						
a.cyperus rotun	dus b.mimosa pudi	ca c.cynodon	dactylon	d.digitaria marginata			
113. Fruit of	orange is known as						
a.sorosis	b.caryopsis	c.siliqua		d.hesperidium			
114. Which	of the following is a ster	n vegetable					
a.potato	b.radish	c.carrot		d.none of these			
115. Vegetal	oles are canned in						
a.syrup	b.brine	c.distilled	water	d.all of these			
116. The fac	tors responsible for Cyt	oplasmic male steril	ity in plants is	located at			
a,RNA	b.Nuclear DNA	c.chloropl	ast DNA	d.Mitochondrial DNA			
117. The firs	t private seed company	Suttons and sons w	as establishe	d at			
a.kolkata	b.bhopal	c.surat		d.delhi			
	•						

118.	Father of India	n botany is		
a.T.S V	enkataraman	b.K.Ramaih	c.W.carey	d.William Rouxberg
119.	NABARD was 6	established on	•	· ·
a.16 ju	ıly 1978	b.12 july 1978	c.12 july 1982	d.16 july 1982
120.	International F	Rice Research Insti	tute is located at	
a.Rom	e	b.Phillipines	c.China	d.Japan
121.	KVK (Krishi Vig	yan Kendra) mean	S	
a.agric	ulture science c	enter	b.agriculture research center	
c.Farm	science center	(d.Farm research center	
122.	Botanical Surv	ey of India is locate	ed at	
a.kolka			c.delhi	d.bombay
123.	Green biotech	nology is the biote	chnology related to	
a.plan	ts	b.agriculture	d.fodders	d.Grains
124.	Which of the f	ollowing technique	e is used to obtain haploid pla	ants
a.emb	ryo culture		ure c.callus culture	d.anther/pollen culture
125.	The most popu	ular substrate for B	Biopharming is	
a.Soyb		b.Corn	c.Tobacco	d.Rice
126.		ybrids are known a		
	id	, b.Cybrids	c.clone	d.none of these
-		etic engineering is		
	Berg		c.Edward Jenner	d.none
	_		re, import and use in india is	
a.Aldri		b.aldicarb		d.All of these
129.	Variety produc		seeds of several phenotypical	
		b.composite vari		d.none
130.		with one of its par	•	
a.Back		b.Test cross	c.SSD-method	d.heterosis
131.	The first diseas		was of bacterial origin, discov	vered by TJ Burill is-
			c.Brown spot	
132.		_	Millardet was first used for t	
	ney mildew of g	•	b.Powdery mildew of	
	blight of potato		d.Fire Blight of apple	9. ab ea
133.		cle of cereal rust in	n India was discovered by	
	.C Mehta	b.Dr.B.P Pal	c.Kritikar	d.B.B Mundkur
134.	Agar is	5.51.5.1 Tu	CHATCHAI	a.b.b Wallakai
	J	nce obtained from	sea weed hijsed to nre	epare culture media
c. Both		ice obtained from	d. none of th	•
135.		yth due to incresse	e in number of cells is known	
	ertrophy	b.Hyperplasia	c.plasmogamy	d.Heterotrophic
136.			as poor man's disease in rice	·
130.	willen of the f	Onowing is known	as poor man s disease in fice	

b.Bacterial leaf blight c.Blast

a.Brown spot

d.Sheath blight

137.	Loose smut is				
a.inter	nally seed borne	9	b.Exte	rnally seed borne	
c.soil b	orne		d.air b	orne	
138.	White bud of r	naize is due to			
a.pythi	ium aphaniderm	natum	b.Zn de	eficiency	
	inia recondite			eficiency	
•		m falcatum cause		in sugarcane	
	trip	b.red rot		c.smut	d.grassy shoot
140.	Which of the f	ollowing is not tr	rue abou	t Bacterial blight of cott	on
a.it is k	nown as Angula	r leaf spot	b.caus	ed by xanthomonas mal	vacearum
c.exter	nally seed born	e	d.seed	treatment with streptro	omycin is effective
141.	White rust of r	nustard is caused	d by		
a.albug	go candida	b.perenospora	brassica	e c.MLO	d.virus
142.	Khufri Khasi, K	hufri Sherpa is a	variety o	of potato resistant to	
a.Early	blight	b.Late blight		c.wart	d.Black scurf
143.	Mango orchar	ds near brick kiln	suffer f	rom	
a.anth	racnose	b.Malformatio	n	c.Black tip	d.alternate bearing
144.	Whip tail of ca	uliflower is due t	to		
a.B def	ficiency	b.Mo-deficiend	су	c.Zn-deficiency	d.excess N
145.	Domestic quar	antine does not	exist for	which of the following	
a. War	t of potato	b. scab of apple	e	c.Banana bunchy top	d.red rot of sugarcane
146.	Flooding the fi	eld helps in cont	_		
a.Term	nites	b.cutworms		c. both a&b	d. none
147.	Most widely us	sed fungicide for	control	of rust is	
	ax	b.plantavax		c.sulphur dust	•
148.	Which of the f		-	component of Bordeaux	mixture
a.CaSC	•	b.CaOCl ₂			d.CuSO ₄
				in tomato	
a.Leaf		_		c.Blossom End Rot	d.Early blight
150.	Khaira disease	is due to deficie	ncy of		
a.Zn		b.Mo		c.B	d.Ca
151.		of black stem ru	ist of wh		
a.bluel	•	b.parthenium		c.lantana	d.barberry
152.	Irish famine w				
	ophthora palmiv			b.Pythopthora infestar	15
	inthosporium o	•		d. <i>Erwinia amylovora</i>	
153.		ollowing is wrong	gly matc	hed	
	ot- Glomerella t				
	-	smopora viticola	1		
•	w rust- <i>Puccinia</i>	-			
d.citru	s canker- <i>Agrob</i>	acterium tumefa	iciens		

	1 - 4	Natah mayasit			,				
-	154.	•	e with its nature	1 nortio	l stom norosito				
	A.Strig			-	partial stem parasite				
	B.cusc			-	I root parasite				
	C.orob				oot parasite				
	D.lorar	nthus		4.total s	stem parasite				
	a.A3, B	4, C2,D1	b.A1,B2,C3,D4		c.A4,B2,C1,D3		d.A3, B1, C2, D4		
-	155.	Which of the f	ollowing is a poiso	onous mi	ushroom				
	a.amar	nita	b.agaricus		c.pleaurotus		d.volvariella		
-	156.	Agar-agar is p	roduced from						
	a.nosto		b.gelidium		c.macrocrocys	tis	d.Oscillatoria		
-	157.	Dithan M 45 is	s a		·				
	a.bacte	ericide	b.fungicide		c.nematocide		d.rodenticide		
-	158.	Disease which	occour at irregula	ar interva	als and location	are kno	wn as		
	a.pand		b.endemic		c.epidemic		d.sporadic		
-	159.		following is not a c			riangle	•		
	a.path		b.Host		c.Environment		d.None of these		
-	160.	Which of the f	following is caused	by MLC	Os				
	a.citru:	s greening	b.papaya bunch				d.None of these		
-	161.	Which of the f	ollowing disease is	s not cau	used by bacteria	а			
	a.citru:	s canker	b.papaya root ro	ot	c.tundu diseas	e	d.black arm of cotton		
-	162.	Pit treatment	of lime is effective	e for the	management c	of which	disease in banana		
	a.bunc	hy top b.antl	nracnose	c.panan	na wilt	d.black	spot		
-	163.	Which of the f	ollowing diseases	is associ	ated with Beng	gal famin	e		
	a.Late	blight b.ster	n rust	c.Blast		d.Brow	n spot		
-	164.	Heterocious n	ature of rust mear	ns					
	a. fung	i require one ho	ost species to com	plete life	e cycle				
	b. fung	gus require two	different host spe	cies to co	omplete life cy	cle			
	c.both	a&b							
	d.None	e of the above							
-	165.	The lowest pe	st population dens	sity that	can cause ecor	nomic da	mage is		
	a.Econ	omic Injury Lev	el	b.Econo	mic Threshold	Level			
	c.Econ	omic Damage L	evel	d.Econo	mic Control Le	vel			
1	166.	Grasshopper b	pelong to the orde	er					
	a.Dicty	optera	b.diptera		c.hemiptera		d.orthoptera		
	167.	Labium is also	known as						
	a.uppe	r lip	b.Lower lip		c.tongue		d.maxilla		
-	168.	Swimming typ	e of leg modificati	ion are a	lso known as				
	a.nata	torial	b.ambulatorial		c.cursorial		d.saltatorial		
-	169.	Post genital ap	opendages of insec	ct s are k	nown as				

b.ovipositor

c.cerci

a.parameres

d.Tympanum

170.	Incomplete me	tamorphosis is known as	5	
a.Ame	tabola	b.Holometabola	c.Hemimetabola	d.Hypermetabola
171.	Juvenile hormo	one is secreted from		
a.man	dibular glands	b.corpora allata	c.thoracic glands	d.pro thoracic glands
172.	Which of the fo	ollowing larvae type has	abdominal prolegs in ad	dition to thoracic legs
a.Oligo	pod	b.Polypod	c.Apodous	d.all of these
173.	Pupae of butte	rflies are also known as	•	
a.Chry	salis	b.Coarctate	c.obtect	d.Exarate
174.	Celphos is the	trade name of		
a.Zinc	phosphide	b.Aluminium phosphid	e c.aldicarb	d.chlorpicrin
175.	Trichogramma	chilonis is a		
a.Egg p	parasitoid	b.larval parasitoid	c.pupal parasitoid	d.predator
		sect is known as		
a.haen	nocoel	b.Haemoglobin	c.leghaemoglobin	d.Haemolymph
177.	The main excre	etory organ of insects is		
	hron		c.Haemocoel	d.cerci
178.		is a predator of		
a. cott	•	e b.san jose scale	c.apple wooly	aphid d.none
	Helicoverpa ari	•		•
	•	b.pink bollworm	c.spotted bollworm	d.all of these
		ollowing is not a factor ca		
	fecundity		ression of natural enem	ies
_	nologiosis	. ,	tive insecticide formulat	
181.	_	iating a social response i	in insects are known as	
a.Pher	omones		c.repellants	d.hormones
182.	Bombykol is th	e sex pheromone isolate		
a.Silkw			licoverpa armigera	d.cabbage looper
183.		crops comes under whi		
a.biolo		b.cultural	c.mechanical	d.none of these
	-	oird perches comes unde	er which component of I	PM
a.biolo		•	•	
185.	gicai	b.cultural	c.mechanical	d.none of these
pest?		b.cultural th top portion of seedling		
pest? a. Aph	Clipping 2-4 inc	ch top portion of seedling	g before transplanting h	elps in control of which
a. Aph	Clipping 2-4 indi	ch top portion of seedling	g before transplanting h n leaf hopper d.Brov	
a. Aph 186.	Clipping 2-4 ind ids b.Yello ETL of gundhi b	ch top portion of seedling w stem borer c.Gree bug is per Hill	g before transplanting h n leaf hopper d.Brov	elps in control of which vn plant hopper
a. Aph 186. a. 1 ny	Clipping 2-4 ind ids b.Yello ETL of gundhi b mph/adult	ch top portion of seedling w stem borer c.Gree bug is per Hill b.2 nymph/adult	g before transplanting h n leaf hopper d.Brov c.3 nymph/adult	elps in control of which
a. Aph 186. a. 1 ny 187.	Clipping 2-4 ind ids b.Yello ETL of gundhi b mph/adult Which of the fo	ch top portion of seedling w stem borer c.Gree oug is per Hill b.2 nymph/adult ollowing is a storage pest	g before transplanting h n leaf hopper d.Brov c.3 nymph/adult c of tobacco	elps in control of which vn plant hopper d.4 nymph/adult
a. Aph 186. a. 1 ny 187. a.toba	Clipping 2-4 ind ids b.Yello ETL of gundhi b mph/adult Which of the fo	ch top portion of seedling w stem borer c.Gree bug is per Hill b.2 nymph/adult bllowing is a storage pest b.capsule borer	g before transplanting h n leaf hopper d.Brov c.3 nymph/adult t of tobacco c.stem borer d.cigal	elps in control of which vn plant hopper
a. Aph 186. a. 1 ny 187. a.toba 188.	Clipping 2-4 ind ids b.Yello ETL of gundhi b mph/adult Which of the fo cco caterpillar Which of the fo	ch top portion of seedling w stem borer c.Gree oug is per Hill b.2 nymph/adult ollowing is a storage pest b.capsule borer ollowing is both field and	g before transplanting h n leaf hopper d.Brov c.3 nymph/adult c of tobacco c.stem borer d.cigal storage pest of potato	elps in control of which vn plant hopper d.4 nymph/adult rette beetle
a. Aph 186. a. 1 ny 187. a.toba 188. a.cut v	Clipping 2-4 ind ids b.Yello ETL of gundhi b mph/adult Which of the fo cco caterpillar Which of the fo vorm	ch top portion of seedling w stem borer c.Gree bug is per Hill b.2 nymph/adult bllowing is a storage pest b.capsule borer bllowing is both field and b.tuber moth	g before transplanting homeleaf hopper d.Brovolum d.Brovolum d.S. anymph/adult cof tobacco c.stem borer d.cigal storage pest of potato c.Hadda beetle	elps in control of which on plant hopper d.4 nymph/adult rette beetle d.all of these
a. Aph 186. a. 1 ny 187. a.toba 188.	Clipping 2-4 ind ids b.Yello ETL of gundhi b mph/adult Which of the fo cco caterpillar Which of the fo vorm Red Drum Head	ch top portion of seedling w stem borer c.Gree oug is per Hill b.2 nymph/adult ollowing is a storage pest b.capsule borer ollowing is both field and	g before transplanting homeleaf hopper d.Brovolum d.Brovolum d.S. anymph/adult cof tobacco c.stem borer d.cigal storage pest of potato c.Hadda beetle	elps in control of which on plant hopper d.4 nymph/adult rette beetle d.all of these

190. Red pumpkin beetle belongs to the family

a.chrysomelidae b.Noctuidae c.coccinelidae d.peridae

191. The density of pest population which needs control measures is known as

a.Economic Injury Level b.Economic Threshold Level c.Economic Management Level d.Economic Control Level

192. Which of the following larvae is aquatic/semi-aquatic

a.cecidomyid b.chironomid c.mycetophillid d.coccinellid

193. Ghujhia weevil is a pest of

a.rice b.maize c.wheat c.pulses

194. Proboscis of butterfly is composed of

a.galea of maxillae b.mandibles c.Labium d.hypopharynx

195. NABARD came into existence on

a.July 12 1982 b.12 july 1986 b.16 July 1986 d.16 july 1982

196. Zygogrammma bicolorata feeds on the leaves of

a.Water hyacinth b.Parthenium c.lantana d.all of these

197. Which of the following works like a tongue in insects

a.labium b.Labrum c.maxillae d.hypopharynx

198. Which of the following is a polyphagous pest

a.locust b.termites c.red hairy caterpillar d.all of these

199. Which of the following is neem based insecticide

a.Pyrethrum b.Margosa c.Nicotine d.aldrex

200. Scientific name of brown plant hopper is

a.Nephotettix nicropictus b.Nephotettix virescens c.Scipophaga incertulas d.Nilaparvata lugens

ANSWER KEYS

Q.no	Ans	Q.no	Ans	Q.no.	Ans	Q.no	Ans	Q.no	Ans
1	A	41	D	81	С	121	С	161	В
2	В	42	Α	82	С	122	Α	162	С
3	D	43	D	83	Α	123	В	163	D
4	C	44	D	84	С	124	D	164	В
5	В	45	С	85	В	125	В	165	В
6	D	46	Α	86	Α	126	В	166	D
7	С	47	В	87	С	127	Α	167	В
8	D	48	С	88	С	128	D	168	Α
9	В	49	В	89	Α	129	В	169	С
10	D	50	Α	90	Α	130	Α	170	С
11	Α	51	В	91	В	131	В	171	В
12	В	52	В	92	D	132	Α	172	В
13	Α	53	Α	93	D	133	Α	173	Α
14	С	54	D	94	Α	134	С	174	В

15	Α	55	С	95	Α	135	В	175	Α
16	С	56	С	96	В	136	В	176	D
17	В	57	D	97	D	137	Α	177	В
18	Α	58	С	98	Α	138	В	178	С
19	D	59	С	99	Α	139	В	179	A
20	С	60	Α	100	D	140	С	180	D
21	В	61	В	101	С	141	Α	181	Α
22	D	62	С	102	В	142	С	182	Α
23	D	63	D	103	Α	143	С	183	В
24	В	64	Α	104	Α	144	В	184	C
25	Α	65	С	105	Α	145	D	185	В
26	С	66	Α	106	Α	146	С	186	Α
27	Α	67	С	107	В	147	В	187	D
28	D	68	Α	108	С	148	D	188	В
29	D	69	Α	109	С	149	В	189	С
30	В	70	С	110	В	150	A	190	Α
31	С	71	Α	111	В	151	D	191	В
32	Α	72	Α	112	В	152	В	192	В
33	D	73	С	113	D	153	D	193	С
34	С	74	D	114	Α	154	D	194	Α
35	Α	75	С	115	В	155	Α	195	Α
36	Α	76	В	116	D	156	В	196	В
37	D	77	С	117	Α	157	В	197	D
38	В	78	D	118	D	158	D	198	D
39	D	79	Α	119	С	159	D	199	В
40	С	80	D	120	b	160	С	200	D