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60211	Ope GPT CI	11 Sec. 1885-1897 Table 1
ROLL No.		#04 · · · · · · · · · · · · · · · · · · ·
*	QN. BOOKLET No.	013

TEST FOR POST GRADUATE PROGRAMMES

BOTANY

Time: 2 Hours	E 2	Maximum Marks: 450

INSTRUCTIONS TO CANDIDATES

- You are provided with a Question Booklet and an Optical Mark Reader (OMR) Answer Sheet to mark your responses. Do not soil your OMR Sheet. Read carefully all the instructions given on the OMR Sheet.
- , 2. Write your Roll Number in the space provided on the top of this page.
 - 3. Also write your Roll Number, Test Code, Test Centre Code, Test Centre Name, Test Subject and the date and time of the examination in the columns provided for the same on the Answer Sheet. Darken the appropriate bubbles with HB pencil.
 - 4. The paper consists of 150 objective type questions. All questions carry equal marks.
 - 5. Each Question has four alternative responses marked A, B, C and D and you have to darken the bubble fully by HB pencil corresponding to the correct response as indicated in the example shown on the Answer Sheet. Also write the alphabet of your response with ball pen in the starred column against attempted questions and put an 'x' mark by ball pen in the starred column against unattempted questions as given in the example in the OMR Sheet.
 - 6. Each correct answer carries 3 marks and each wrong answer carries 1 minus mark.
 - 7. Please do your rough work only on the space provided for it at the end of this question booklet.
 - 8. You should return the Answer Sheet to the Invigilator before you leave the examination hall. However Question Booklet may be retained with the Candidate.
 - 9. Every precaution has been taken to avoid errors in the Question Booklet. In the event of such unforeseen happenings, suitable remedial measures will be taken at the time of evaluation.
 - 10. Please feel comfortable and relaxed. You can do better in this test in a tension-free disposition.

WISH YOU A SUCCESSFUL PERFORMANCE

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1.	Which	of the following is a living mech	nanica	l tissue?
	(A)	Collarahima	(D)	0.1
	(C)	Collenchyma Parenchyma	(B)	Sclerenchyma
	(0)	Tarenenyma	(D)	Chlorenchyma
2.	Vessel	s differ from tracheids		i la a militar
_w £ :	(A) (B) (C)	in being water conducting in na in being living in being thick-walled	iture	m g
	(D)		ows o	f cells with cross wall dissolved
3.	The scl	erotium refers to a modified myo	elium	which is
20	(A)	easily carried of by wind	(B)	an underground structure
•	(C)	mainly a food storing organ	(D)	a hard resting body
		,	(2)	a hard resting body
4.	The dru	ng artimisinin is obtained from		· In the contract of the contr
	(A)	leaves	(B)	barks
	(C)	tuberous roots	(D)	flowers
			(-)	
5.	Water b	outter-cup is a common name of		, "
	.(1)	n:		The state of the s
	(A)	Riccia infestans	(B)	Ranumculus peltatus
	(C)	Pinus roxburghii	(D)	Grimmia maritime
6.	Dectin i	s a polymer of		
0.	I COUNT I	s a polymer of		
* 9	(4)	glucose	(D)	
	(C)	galactouronic acid	(B)	cutin
	(0)	galaciouronic acid	(D)	mannose
7.	Zn ₂₊ is e	essential for the synthesis of the	phytol	hormone
	(A)	ABA	(D)	Indole 2
	(C)	GA ₃	(B)	Indole-3-acetic acid
	(0)	Orig	(D)	Ethylene
8.	The rate	of transcription of genes is cont	rolled	by regulatory sequences called
	(A)	enhancers .	(B)	transacting elements
	(C)	A and B	(D)	inducers

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9.	Which	among the following plants do	es not tra	anspire?
	(A) (C)	Algae Submerged hydrophytes	(B) (D)	Fungi All of the above
10.	The d	eteriorative process that newsely called	aturally	terminates the plant life are
	(A) (C)	senescence wilting	(B) (D)	abscission . plasmolysis .
11.	Which water?	of the following elements a	re consid	dered essential for photolysis of
	(A) (C)	Ca and Cl Zn and I	(B) (D)	Mn and Cl Mg and Fe
12.	Apomi	xis refers to the development	of a plant	
	(A) (B) (C) (D)	without fusion of gametes at from root cuttings from fusion of gametes from pollen grains	nd meios	is
13.	Laticife	erous vessels are found in	TITLES	The second second in the second secon
	(A) (C)	phloem xylem	(B)	cortex tracheids
14.	A tumo	our suppressor gene		The state of the s
	(A) (C)	suppresses oncogenes inhibits cell division	(B) (D)	prevents cancer All of the above
15.	In whice	ch of the following trees, the art wood?	ere is no	differentiation of bark, sapwood
	(A) (C)	Neem Datepalm	(B) (D)	

16.	The fur	nction of dry fruit is to			9
	(A)	protect the embryo from herbici	ides		
	(B)		estrial	hal	bitat
	(C)	Print of the print of t			
	(D)	disperse the embryo by wind, w	rater a	nd a	animals
17.	Soil sal	linity is measured by			
	(A)	calorimeter	(B)	co	nductivity meter
	(C)	auxenometer	(D)	po	tometer
18.	Plants r	requires K* for			
Ŕ.	(A)	protein synthesis	(E	3)	adhesion of cells
2	1000	opening and closing of stomata	(L	200	chlorophyll synthesis
, 19.	Agent	orange is			
	(A)	an enzyme containing chloride			
	17.5	a weedicide containing dioxin			
		a biodegradable insecticide			
	(D)				
20.	Which	of the following bacterial strain is	s used	to	control the plant pest?
	(A)	Pseudomonas	(B)	CI	ostridium
	(C)	Bacillus thuringiensis	(D)	- 9751	I of the above
21.	Which	among the following nucleotides	/cofac	tors	are water-soluble?
	(A)	NAD*	(B)	N	ADP*
	100	FMN	Comment of the comment		ll of the above
22.	Seawee	d refers to			
	(A)	diatoms	4		100
	1000000	soft-bodied algae	(8)		*
	(C)	marine algae that have large mu	ltical	11-	- badias
	(D)	the algae having cell walls encr	ucted	iula	b bond and all 11
		Description of the Coll Walls Elkin	CONTRACTOR	WIT	o paro ano challes donored

23.	Phyllod	derm consists of		and and are
	(A) (C)	collenchyma dead parenchyma	(B) (D)	living parenchyma sclerenchyma
24.	Asexua	l reproductive structure in bacteri	a is	
	(A) (C)	akinetes endospores	(B) (D)	heterocysts exospores
25.	The lig	tht harvesting complexes contain	anten	na pigments associated with
	(A) (C)	lipids carbohydrates	(B) (D)	starches proteins
26.	Seedles	ss fruits can be obtained by the app	plicat	ion of 1
	(A) (C)	cytokinin ABA	(B) (D)	gibberllin ethylene
27.	A biose	ensor uses a biological material su	ch as	* * *
	(A)	a cell an antibody	(B) (D)	an enzyme All of the above
28.	Minera	l salts exist inside the cells as		Zing a Wilthorn graph
,	(A) (C)	25-64 PCA	(B)	solubilized molecules colloidal form
29.	Which	of the following groups of elemen	ts are	called 'critical elements'?
	(A) (B) (C) (D)	Zinc, Copper and Iron Chlorine, Copper and Iron Nitrogen, Oxygen and Hydrogen Phosphorus, Potassium and Nitro		Time to the second seco
30.	The phy	tohormone that induces cell divis	ion is	
iqeli z	(A) (C)	The same of the sa	(B) (D)	abscisic acid ethylene

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31.	Which o	of the following cell organelle	is not a	microbody?	
	(A)	Ribosomes	(B)	Peroxisomes	
	(C)	Spherosomes	(D)	Liposomes	
	(0)	opiiciosomes	(2)	Biposomes	
32.	Which 1	part of the cotton plant is the s	ource for	pure cellulose?	
	(A)	Seed hairs	(B)	Stem hairs	
	(C)	Root hairs	(D)	Petals	
	(-)		(2)	The Jan 1	
33.	The site	e of respiration in bacteria is	•	ge of a	
	(A)	microsome	(B)	mesosome	
	(C)	episome	(D)	ribosome	
		•	(-)	Manual State of the State of th	
34.	The terr	m allelomorphy means			
	(A)	a pair of non-contrasting char	acters		
	(B)	a pair of contrasting character			
	(C)	any two sexual characters			
	(D)	sex linked character		9	
	2 2			,,	
35.	The ma	jor role of phosphorous in plar	it metabo	olism is to	
8	(A)	generate metabolic energy		1.	
	(B)	evolve oxygen during photos	ynthesis		
	(C)	evolve ethylene during fruit r	ipening	0.5	
	(D)	perform oxidation		diana i	
36.	Which	among the following is a prok	aryote?	to you, we	·
	(A)	Spirogyra	(B)	Nostoc	
		Saccharomyces cerviciea			
	ASTR 2007 (20)		1000-1000		
37.	The ter	m protoplasm was coined for	r the co	ontents of embryo	genic cells of
	plants b	ру	149		
	ar.	30	**	1. A. Serie	
	(A)	Hugo van Mohi	(B)	Dujardin ·	
	(C)	Purkinje	(D)	Hooke	
	(- /	w		d Karpini	

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38.	The m	ain function of Golgi comple	x is	August a state of
	(A)	fermentation		
	(B)	phosphorylation		
	(C)			
	(D)	glycosilation of lipids and	proteins	of the expendition
39.	Cell pl	ate formation in plants occur	s from	geldinin 14a -
	(A)	periphery to centre		A 1 1 1
	(B)			
	(C)	top to bottom of the cell	7 1987 10	The Section of the Se
	(D)			
		to top of the con		
40. ·	Chemi	cal synthesis of DNA was wo	orked out l	ру
	(A)	Khorana	(B)	Watson and Crick
	(C)	Komberg		
	(0)	Komoeig	(D)	Nirenberg
41.	Peroxi	somes in plants are associated	l with	r
	(A)	photoperiodism	(B)	phototropism
	(C)	photosynthesis	(D)	photorespiration
42.	Cellulo	osic cell walls can be specific	ally staine	d by
	(A)	Methylene blue	(B)	Sudan IV
	(C)	Zinc chloride	(D)	Phloroglucinol
13.	The pla	ane of cell wall formation in o		1701
•	- A Pic	mo or oon wan tormation in (iividilig Ce	in is determined by-
	(A)	Microfilament	(B)	Microtubules
	(C)	Endoplasmic reticulum	(D)	Ribosomes
14.	In whic	h part of the mitochondria is	ATP gene	erated?
	(A)	Matrix	(B)	Cristae
	(C)	Outer membrane	100	
	(5)	Washington .	(D)	F ₁ particle
5.	Desmos	somes are related to		11 s State (2)
- 4	(A)	cellular excretion	(B)	cytolysis
	(C)	cell adherence	(D)	cell division
	1150 15.57			417101011

46.	The nur	nber of bases per helical turn in	Z-DN	A is	5-3
	(A) (C)	10 12	(B) (D)	11 13 *** *** *** (\$.)	
47.	The pig	ment found inside the vacuole is	S	n fil our smage h	2.5
	(A) (C)	anthocyanin phycoxanthin	(B) (D)	fucoxanthin phycoerythrin	
48.	Endopl	asmic reticulum is more develop	ed in		**
	(A) (C)	young cells mature cells	(B) (D)	green cells bacteriophage	
49.	The ter	m 'Parsamorpha' refers to		Y 6 F	
	(A) (C)	nucleolus nuclear pore complex	(B) (D)	nuclear membrane endoplasmic reticulum	V E
50.	The site	e of formation of spindle fibers i	n nucle	colus is localized in	
	(A) (C)	chromosomes peroxysomes	(B) (D)	ribosomes tonoplast	Ç.
51.	Which	of the following is incorrectly n	natched	?	
	(A) (B) (C) (D)	Peroxysomes and ribosomes Lysosomes and glycosidases Golgi complex and carbohydra Mitochondria and cristae	ates	la chiquada entre	
52.	Which fungus	of the following growth reg	ulators	was extracted initially	from a
	(A) (C)	Cytokinin Ethylene	(B) (D)	Auxin Gibberellin	ne,
53.	Cytoki	nins are synthesized in	92	1.57	
	(A) (C)	stems fruits	(B) (D)	leaves roots	28



54.	Which	of the following delays senescen	de?	
	(A) (C)	Cytokinin Gibberellins	(B) (D)	Auxins Ascorbic acid
55.	Legumo	e seeds exhibit dormancy because	e of	
	(A) (B) (C) (D)	poorly developed embryo hard seed-coat absence of cytokinins absence of Gibberellic acid	= <u>s</u>	
56.	All cyto	okinins are	*	
	(A) (C)	acidic phenols	(B) (D)	aminopurines glycosides
, 57.	The ena	zyme catalase in green leaf cell is	local	ized in the
	(A) (C)	lysosomes vacuoles	(B) (D)	chloroplast peroxisomes
58.	Which	of the following colours of light	works	least for photosynthesis?
	(A) (C)	Green Blue and red	(B) (D)	Yellow Violet and yellow
59.	When s	un light is absorbed by chloropla	sts, p	H is lowest in the
	(A) (B) (C) (D)	stroma space enclosed by the inner and spaces enclosed by the thylakoi cytosol		
60.	Which	of the following is a component	of mit	osis in the cells of seed plants?
	(A) (C)	Centrioles Spindles	(B) (D)	Asters Cleavage furrows
61.	The rep	olication of DNA is possible due	to	a market (A)
	(A) (C)	the genetic code the base paring rules	(B) (D)	membrane lipids aminoacids

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62.	The second event in translation, after mRNA binding is					
	(A) (B) (C) (D)	synthesis of aminoacids from translocation through the nuc joining together of the two ri rotation of the polysomal uni	lear env bosoma			
63.	Genes	that are inactive for long period	ls are bo	onded to a called set to display		
	(A) (C)	each other actin and myosin	(B) (D)	methyl groups the nucleolus		
64.	When called	the substrate of an enzyme st	imulate	s synthesis of that enzyme, it is		
				traj tievini la Au		
•	(A) (C)	repressor activator	(B) (D)	inducer excitant		
65.	Ploidy	of anther cell wall is		The state of the s		
	(A) (C)	haploid triploid	(B) (D)	diploid tetraploid		
66.	Thallop	ohytes without chlorophylls are		the second of the second of	į	
×	(A) (B) (C) (D)	algae algae other than green algae fungi bacteria	a Sil	The contract of the contract o		
67.	Respira	tion is		t forms want ending of the light grown it is a	9/	
	(A) (C)	exothermic process anaboloic reaction	(B) (D)	endothermic reaction proteolytic reaction		
58.	Back-cı	ross involves		- Maria to des		
	(A) (B) (C) (D)	a hybrid and one of its parents Fl hybrids maternal and paternal parents regenerated generation (R1)		Transferrance (A.	er i	
	(2)		valar fil	of an equal end action total place by		

begud (E)

partioused (a)

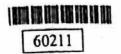
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		•		
69.	Pigmen	it that is known as eye of the pla	nt is	
	(A) (C)	cytochrome	(B) (D)	phytochrome carotenoids
70.	Which	of the following contains extra-r	nuclear	genetic material?
	(A) (C)	Chromosomes Ribosomes	(B) (D)	Golgi apparatus Plastids
71.	Stroma	refers to		
	(A) (C)	stomatal pore chloroplast matrix	(B) (D)	lamellae in the chloroplast mitochondrial matrix
72.	Linked	genes are present		
	(A) (C)	on different chromosome in only the sex chromosomes	(B) (D)	in the same chromosome in different autosomes
73.	Atmos	pheric N ₂ is fixed by		
6	(A) (C)	blue – green algae brown algae	(B) (D)	green algae red algae
74.	In allop	patric speciation, the initial barrie	er to ge	ene flow is
	(A) (C)	behavioural geographic	(B) (D)	postzygotic ecological
75.	Male g	ametophyte in higher plants is		Standard Con
	(A) (C)	pollen grain anther-wall cells	(B) (D)	egg cell sepal cells
76.	Connec	ting link between Protozoa and	Porifer	a is
	(A) (C)	chlamydomonas pteroserospongia	(B) (D)	protopterus euglena
77.	When p	lant cells are kept in hypertonic	solutio	on they get
	(A)	lysed	(B)	turgid deplasmolysed

78.	Spoilage	of food material is preve	ented in	cold s	torage	due to	the		
	(B) (C) (D)	reduced respiration at loved reduced enzyme activity reduced enzyme activity purified nature of air	in the fo	ood obes a	s well				
79.	The enz	ymes catalyzing breakdo	wn with	out ad	dition	of wate	r are ca	illed	
19.	1110 011-	,		(D)	1	ases			
e y (2 2000)	(A) (C)	lyases ligases	N 155	(B) (D)	oxidor	educta	ses		
80.	Viral or	acogene differs from the	protoono	cogene	e in tha	t it is			
	(A) (C)	mutated circular		(B) (D)		g tande	т гере	A.:	
, 81.	Who w	vas the predecessor of Leristics?	Darwin v	vho d			theory	of acq	uired
	(A) (C)	Malthus		(B) (D)	Meno	arck	N	to v	
82.	Arabid	lopsis is advantageous fo					nuse	3	
*	(A) (B) (C) (D)	it is an endangered spe it is closest to humans	ecies				can be	raised	•
83.	Fruit s	softening during ripening	g is due t	.0		1(1)		ola .	
	(A) (B) (C)	dissolution of middle respiration drop in turgor pressur photosynthesis	lamella re					oli in	, 2
84.		ell organelle involve in to endoplasmic reticulu		(E	3) per	roxison	nes	(-1) (-1)	
	(A (C	· · bondria		. (I) 11b	osome	S	No.	



85.	Deficiency of which element causes chlorosis						
	(A) (C)	magnesium	(B) (D)	chlorine sulphur			
86.	Apical 1	meristem is seen in					
	(A) (C)	leaf apex vascular bundle	(B) (D)	shoot apex cortex			
87.	On ferti	lization the secondary nucleus f	orms	16 vil			
20	(A) (C)	sced endosperm	(B) (D)	embryo cotyledons			
88.	Larger	nucleus in pollen grain is					
	(A) (C)	vegelative nucleus male gamete nucleus	(B) (D)	generative nucleus prothallial nucleus			
89.	Polyem	bryony occurs in		8 J. v. *			
	(A) (C)	citrus	(B) (D)	maize carthamus			
90.	All are	essential aminoacids except	1				
	(A) (C)	glycine valine	(B) (D)	trptophan phenylalanine			
91.	Which	one of the following is a natural	growt	h inhibitor?			
	(A) (C)	NAA ABA	(B) (D)	GA ₃ Auxin			
92.	The ma	in gaseous pollutant of fossil fu	el burn	ing is			
	(A) (B) (C) (D)	Hydrogen peroxide Nitrous oxide Nitric oxide Sulphur dioxide	* -	er ellegge og			



93.	The red wood of China is	taka dan menganan Ti
å	(A) Cycas revolute (C) Pinus longifolia	(B) Pinus gerardiana(D) Cedrus spp.
94.	Which fungus produces a reddish violet	pigment- Necercosporin?
	(A) Neurospora crassa (C) Monascus purpureus	(B) Armillaria mellea (D) Cercosporina kikuchii
95.	Which group of plants can grow in nitro	gen-denoient some
,	(A) Insectivorous plants(C) Gymnosperms	(B) Bryophytes (D) Lichens
96.	Parthenocarphy is achieved by the appli	ication of
	(A) auxin (C) enzymes	(B) gibberllins (D) cytokinin
97.	Which of the following is energy wasti	ng process?
	(A) Photosynthesis(C) Photorespiration	(B) Chemosynthesis (D) Photoperiodism
98.	Totipotency refers to	9 6 44F
	 (A) potential for secondary metable (B) development of complete org (C) potential for producing a set of (D) potential for development of 	of organs
99.	Ploidy of endosperm is	e de la companya de l
* * - *	(A) haploid (C) triploid	(B) diploid (D) tetraploid
100	O. Sessile refers to	il sign for a
	(A) apomixis	(B) asexual reproduction (D) para-sexual hybridization

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101.	Sproutin	g of stored potatoes can be pro	evented	by	
	(A) (C)	IAA gibberllin	(B) (D)	cytokinin malic hydrazide	
102.	The plan	nt that blooms once in a dozen	year is		
	(A) (C)	Saccharum officinarum Strobillanthus spp.	(B) (D)	Stevea spp. Solanum spp.	
103.	PS-II in	volves			
	(A) (C)	Chlorophyll a - 680 Chlorophyll a - 670	(B) (D)	Chlorophyll a – 660 Chlorophyll a – 700	
104.	Abaxial	refers to			
	(A) (B) (C) (D)	surface facing away from the surface facing the axis lateral axis produced from a tendril produced from a node	node		
105.	In red o	drop effect, the curve drops dra	amatical	ly in the region	
K	(A) (C)	at 680nm below 680nm	(B) (D)	above 680nm at 280nm	
106.	How m	nany electrons are needed to re	duce 6 1	molecules of CO ₂ ?	
	(A) (C)	36 24	(B) (D)	48 84	
107.	RUBI	SCO is a			[97]
	(A) (C)			protein of 5,57,000 Dale phytohormone	tons
108.	Comp	erisation point is the value of f	factor wl	nere there is	
775	(A) (B) (C) (D)	little photosynthesis photosynthesis equal to the	rate of	respiration spiration	

109.	The firs	t stable product of Hatch and Sla	ick cyc	ele is and some man.	c.l.
	(A)	PGA	(B)	OAA	
	(C)	RUBP	(D)	Malate	
110.	Aleuron	e layer is characteristic of			
	(A)	cereal seeds	(B)	legume seeds	
	(C)	grape seeds	(D)	greenpea seeds	
111.	The mo	rphine obtained from opium is		tiller Hyris	
	(A)	alkaloid	(B)	latex	
	(C)	gum	(D)	resine	
112.	The pla	nts of Compositae bear persister	it hairy	calyx called	
	(A)	glume	(B)	lemma	
,	(C)	pappus	(D)	rhizophore	
113.	Pectina	se activity leads to the productio	n of	real family of the	
	(A)	single cells	(B)	protoplasts	•
inforth to	(C)	leucoplasts	(D)	amyloplasts	
114.		er is transpired from the leaf mes otential than the	sophyl	cells they develop a lo	ower
	11 7		outlier w	went (A)	1
	1002	root xylem sap	(B)		
	(C)	leaf xylem sap	(D)	flower xylem sap	
115.	Stomat	a having pores bounded by a sin	gle rin	g-shaped guard cells ar	e found in
	(A)	leaf of fern	(B)	pinnule of Cycas	
	(C)	capsule of Funaria	(D)	None of the above	
116.	Conjug	ated form of auxin is	The .		471
	(A)	IAA- alanine	(B)	2, 4-D	
	(C)	IBA :	(D)	NAA	
117.	Which	of the following plants bear not	lulated	roots?	AL.I
	(A)	Monotrapa	(B)	Arachis hypogea	
	(C)	Mangifera indica	(D)	Arabidopsis thaliana	



118.	Among th	e following fruits which o	ne bears th	alamus as its edible part?	
			(B)	Peach	
		herry	(D)	Anacordium	
	(C) P	lum	(D)	Amaooro	
119.	Phylogene	etic classification is based	on	4.	
	201 Movembro		(B)	utilitarian system	
	(A) o	verall similarity	100	common evolutionary descer	ıt
	(C) h	abits	(D)	Common evolutions	
€.	च ४३	g 114 1 30			
120.	Gregore N	Mendel employed	n #	, , , , , , , , , , , , , , , , , , ,	
120.	Grogore :	•			
	(4) 7	lea mays	(B)	Pisum sativum	
			(D)	Oryza sativa	
	(C) V	'igna radiata	(2)		
121.	High lysin	ne content is present in			
			(D)	maize	
	1 /	ice	(B)		
-	(C) p	ennicetum	(D)	wheat	
122.	Natural c	lassification is based on		· 4 4 4 4 4 1 1	
			4230		
	(A) (ontogeny	(B) m	orphology	
			(D) bo	oth phylogeny and morphology	y
		phylogeny	(D) be	oth phylogeny and morphology	y
102	(C) 1	phylogeny	(D) bo	oth phylogeny and morphology	y
123.	(C) 1		(D) bo	oth phylogeny and morphology	y
123.	(C) 1 Multiple	phylogeny fission occurs in	3		y
123.	(C) 1 Multiple (A)	ohylogeny fission occurs in	(B)	plasmodium	y
123.	(C) 1 Multiple (A)	phylogeny fission occurs in	(B)		y
123.	(C) I Multiple (A) I (C) I	phylogeny fission occurs in hydra planaria	(B) (D)	plasmodium algae	y
٠	(C) I Multiple (A) I (C) I	phylogeny fission occurs in hydra planaria	(B) (D)	plasmodium algae	y
123. 124.	(C) I Multiple (A) I (C) I	ohylogeny fission occurs in	(B) (D)	plasmodium algae	y
٠	(C) I Multiple (A) I (C) I Hybridiz	phylogeny fission occurs in hydra planaria ation through protoplast is	(B) (D)	plasmodium algae	у
٠	(C) I Multiple (A) I (C) I Hybridiz	ohylogeny fission occurs in hydra planaria ation through protoplast is	(B) (D) known as (B)	plasmodium algae	у
٠	(C) I Multiple (A) I (C) I Hybridiz	phylogeny fission occurs in hydra planaria ation through protoplast is	(B) (D) known as	plasmodium algae pure line selection	у
124.	(C) I Multiple (A) I (C) I Hybridiz (A) (C)	phylogeny fission occurs in hydra planaria ation through protoplast is clonal selection somatic hybridization	(B) (D) known as (B)	plasmodium algae pure line selection	y
٠	(C) I Multiple (A) I (C) I Hybridiz (A) (C)	ohylogeny fission occurs in hydra planaria ation through protoplast is	(B) (D) known as (B)	plasmodium algae pure line selection	y
124.	(C) I Multiple (A) I (C) I Hybridiz (A) (C) Pyruvic :	ohylogeny fission occurs in hydra planaria ation through protoplast is clonal selection somatic hybridization acid is a product of	(B) (D) known as (B) (D)	plasmodium algae pure line selection mass selection	y
124.	(C) I Multiple (A) I (C) I Hybridiz (A) (C) Pyruvic :	phylogeny fission occurs in hydra planaria ation through protoplast is clonal selection somatic hybridization	(B) (D) known as (B) (D)	plasmodium algae pure line selection mass selection	y
124.	(C) I Multiple (A) I (C) I Hybridiz (A) (C) Pyruvic (A)	ohylogeny fission occurs in hydra planaria ation through protoplast is clonal selection somatic hybridization acid is a product of	(B) (D) known as (B) (D)	plasmodium algae pure line selection mass selection	y
124.	(C) I Multiple (A) I (C) I Hybridiz (A) (C) Pyruvic :	phylogeny fission occurs in hydra planaria ation through protoplast is clonal selection somatic hybridization acid is a product of acetic acid	(B) (D) known as (B) (D)	plasmodium algae pure line selection mass selection	у
124. 125.	(C) I Multiple (A) I (C) I Hybridiz (A) (C) Pyruvic : (A)- (C)	ohylogeny fission occurs in hydra planaria ation through protoplast is clonal selection somatic hybridization acid is a product of acetic acid starch	(B) (D) known as (B) (D)	plasmodium algae pure line selection mass selection	у
124.	(C) I Multiple (A) I (C) I Hybridiz (A) (C) Pyruvic : (A)- (C)	phylogeny fission occurs in hydra planaria ation through protoplast is clonal selection somatic hybridization acid is a product of acetic acid	(B) (D) known as (B) (D)	plasmodium algae pure line selection mass selection	у
124. 125.	(C) I Multiple (A) I (C) I Hybridiz (A) (C) Pyruvic : (A) (C) Polygeni	ohylogeny fission occurs in hydra planaria ation through protoplast is clonal selection somatic hybridization acid is a product of acetic acid starch ic inheritance is also refer	(B) (D) known as (B) (D) (B) (D)	plasmodium algae pure line selection mass selection acetyl CoA glucose	у
124. 125.	(C) I Multiple (A) I (C) I Hybridiz (A) (C) Pyruvic : (A) (C) Polygeni (A)	ohylogeny fission occurs in hydra planaria ation through protoplast is clonal selection somatic hybridization acid is a product of acetic acid starch	(B) (D) known as (B) (D)	plasmodium algae pure line selection mass selection acetyl CoA glucose quantitative trait	у

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127. Entry of pollen tube through micropile is	s called
(A) misogamy (C) chalasogamy	(B) pseudogamy (D) porogamy
128. Chloroplasts are considered as self-repli	cating because they contain
(A) RNA (C) both RNA and DNA	(B) DNA (D) neither RNA nor DNA
129. Squashes are preserved by adding	n of the second
(A) Malic acid (C) Sodium metabisulphate	(B) Succinic acid(D) All of the above
130. Increase in the percentage of fauna and because of	I decrease in the flora may be dangerous
 (A) increased percentage of CO₂ (B) decreased percentage of CO₂ (C) increased percentage of O₂ (D) increased percentage of radio 	active fall out
131. In the flower of Vallisneria, the stalk	is coiled in
(A) male flowers(C) bisexual flowers	(B) female flowers(D) none of the above
132. The distance between the two base pa	airs of DNA is
(A) 3.4A° (C) 340A°	(B) 34A° (D) 3400A°
133. The fungus without mycelium is	At a first said
(A) ustilago (C) saccharomyces	(B) alternaria (D) albugo
134. Spiral roots called pneumatophores	are characteristic of plants growing in
(A) sandy soils (C) sodic soils	(B) dry-land soils(D) marshy and salt soils



135.	Nutritio	n rich single cell protein i	s produ	iced fr	om
	(A) (C)	chlamydomonas amoeba		(B) (D)	chlorella entamoeba
136.	Last sta	bilized community in plan	nt succe	ession	is called
	(A) (C)	seral community	x : Fan	(B) (D)	
137.	Keratin	is a protein having larger	amoun	t of	*i
	200	Calcium Magnesium		(B) (D)	Sulphur Phosphorus
138.	Actinic	wavelength of Pr is	*		1
e,	(A) (C)	660 nm 560 nm		(B) (D)	710 nm 400 nm
139.	Transfe	ormation experiment was	first per	forme	d on
		Diplococcus pnemoniae Salmonella		(B) (D)	
140.	Vernili	zation is incubation invol-	ving		
- T	(A) (C)	heat-shock osmotic shock		(B)	cold-shock water shock
141.	Scienti	fic name of pigeonpea is			
	(A) (C)	Cajanus cajan Vigna radiate		(B) (D)	Vigna mungo Cicer arietinum
142.	The bio	o-insecticide azadirachin-	s obtain	ned fro	om
	(A) (C)	. Tobacco Neem	* 4	(B) (D)	Bacillus Fungi
143.	Water	potential of pure water is			== #
	(A) (C)	1 unit –2 unit		(B) (D)	–1 unit –3 unit

144.	Mode of action of phytohormones is referred as

/ A \	프레카카 사는 - 카리아(1811)
(A)	synergistic
V/	-7

(B) one hormone-one response

(C) cumulative

(D) additive

145. Plants composed of algae and fungus are

- (A) -- Eumycota

(B) Lichens

(C) Scchizophyta

(D) Chrysophyta

146. Cotton belongs to

(A) asclepiadaceae

(B) malvaceae

(C) aeraceae

(D) asteraceae

147. Labellum is present in

(A) fabaceae

(B) oleaceae

(C) solanaceae

(D) orchidaceae

148. Zygotene refers to

(A) meiotic prophase

(B) mitotic prophase

(C) metaphase

(D) anaphase

149. Velamin tissue is present in

(A) tap root

(B) water absorbing tissue of aerial root

(C) primary root

(D) adventitious root

150. Gametophytes in seed plants are

(A) reduced but independent

(B) primitive and independent

(C) primitive and dependent on sporophyte

(D) reduced and parasite on sporophyte
