1.

General Science Model Test Questions 3 With Answers [Botany - 2]

1.	The cambium present within a vascular bundle is known										
	(A) Interfascicu	lar cambium	(B) Intrafasciclar cambium							
	(C) Lateral cam	bium	(D	(D) Phellogen							
2.	The outermost	layers of rice gra	in endospe	erm rich in proteins, vitamir	s and minerals are known as						
	(A) Scutellum	(B) Cole	optile	(C) Coleorrhiza	(D) Aleurone layers						
3.	Syngenesious a	inther is an impo	rtant chara	cteristic feature of							
	(A) Asteraceae	(B) Mal	vaceae	(C) Rutaceae	(D) Poaceae						
4.	Heterospory le	Heterospory leading to the establishment of se		of seed habit is observed in							
	(A) Lepidocarpo	on (B) Sela	ginella	(C) Isoetes	(D) Marsilea						
5.	Which of the m	onocots mention	ned below s	shows anomalous secondar	y thickening?						
	(A) Furcraea	(B) Aga	ve	(C) Asparagus	(D) Dracaena						
6.	. The botanical name for neem is										
	(A) Tectona gra	ındis	(B) Dalbergia latifolia							
	(C) Pongamia p	innata	(D) Azadirachta indica							
7.	Meristeles are usually present is										
	(A) Ferns	(B) Gym	nnosperms	(C) Equisetum	(D) Selaginella						
8.	Winged pollen	grains are prese	nt in								
	(A) Araucaria	(B) Gne	tum	(C) Pinus	(D) Selaginella						
9.	Apogeotropic a	and coral – like ro	ots are pro	oduced in							
	(A) Pinus	(B) Cyca	as	(C) Vanda	(D) Taxus						
10.	What drug is ex	kperimented in tl	ne treatme	nt of AIDS?							
	(A) TZA	(B) AZT	(C) CAT	(D) ANC							
11.	Lysosomes are	known as									
	(A) Secretory granule			(B) Suicide bags							
Learni	(C) Dictyosome		(D	(D) Ribosomes Page 1 o							

12.	The algae used by calvin and his co-workers in elucidating the pathway of carbon in photosynthesis is										
	(A) Ch	nlamydd	omonas		(I	3) Chlorella					
	(C) Ch	nara			1)	(D) Spirogyra					
13.	Hered	dity cha	racters a	are carrie	ed to the nex	t generation by					
	(A) Pla	astids		(B) N	1itochondria	(C) Chromos	some	(D) Ribosome			
14.	Nobe	l prize f	or the st	udy of t	he structure	of DNA was won b	у				
	(A) Da	arwin ar	nd Walla	ice	(E	(B) Jacob and Monad					
	(C) W	atson a	nd Crick	S	1)	D) Oparin and Hald	ane				
15.	Global warming is due to the release of this gas										
	(A) H _\	ydroger	1	(B) O	xygen	(C) Carbon o	dioxide	(D) Nitrogen			
16.	The se	ecret be	ehind Me	endel's s	success in his	experiment lies in	this				
	(A) Pi	sum sat	ivum is a	a self – p	pollinating pla	ant					
	(B) There are 7 pairs of strikingly contrasting characters in the garden pea plant										
	(C) The life span of pisum sativam is short										
	(D) The 7 characters which he choose for experiment are present independently on different chromosomes										
17.	This is	This is used as a biofertilizer									
	(A) Az	zolla		(B) B	agasse	(C) Urea	(D) Cl	ostridium			
18.	Match	h list-l w	vith list-l	I correct	tly and select	your answer using	g the code	s given below:			
		List-I			Li	List-II					
	(b) Peristome 2. N (c) Rhizoids 3. C					1archantia yanophyceae					
	Codes:										
		a	b	С	d						
	(A)	1	2	3	4						
	(B)	1	2	4	3						

	(C)	2	1	4	3							
	(D)	4	1	2	3							
19.	Choose	the app	propriate	e one co	nnected	with het	terospory					
	(A) Lyc	opodiun	n, equise	etum	(B) Selaginella, marsilea							
	(C) Isoe	etes, opł	nioglossu	ım		(D) Oph	nioglossum, ı	narsilea				
20.	Which	one of t	he follov	ving is re	esponsib	le for gu	ttation in Ru	ıhr leaf?				
	(A) Roc	ot pressu	ire	(B) Tra	nspiratio	on	(C) Photosy	(D) Osmosis				
21.	The ba	cterium	Escheric	hia coli i	is presen	nt in the						
	(A) Col	on of hu	ıman be	ings	(B) Soil		(C) Water	(D) Air				
22.	Turpen	tine is o	btained	from								
	(A) Pin	us		(B) Ced	Irus		(C) Eucalup	tus	(D) Taxus			
23.	The metal ion involved in stomatal regulation is											
	(A) Iron	า	(B) Mag	gnesium	ı	(C) Zinc	(D)	Potassium				
24.	Which	one of t	he follov	ving is co	oncerne	d with th	e production	n of ATP mo	lecules?			
	(A) Cris	stae		(B) Cist	ernae		(C) Vesicles		(D) Lamellae			
25.	Match	list-I wit	h list-II d	correctly	and sele	ect your	answer usin	g the codes	given below:			
		List-I				List-II						
	(a) Ch					. Antibiotic						
	(b) Yea (c) Pe	ast ncillium				ogen fixa e cell pro						
	(d) Rh	izobium			4. Fermentation							
	Codes:											
		a	b	С	d							
	(A)	3	1	4	2							
	(B)	1	3	4	2							
	(C)	2	4	1	3							
	(D)	3	4	1	2							
26.	The ratio 3:1 is obtained in											

	(A) Dihybrid cro	oss	(B) Monohybrid cross							
	(C) Crossing over	er	(D) Mu	tation						
27.	Consider the fo	ollowing statements:								
	Assertion (A):	Rhizopus lives on bread	I							
	Reason (R):	Because it is a parasite.								
	Now select you	ır answer according to th	e codin	g scheme given b	pelow:					
	(A) Both (A) and	d (R) are true, and (R) is t	the corre	ect explanation o	of (A)					
	(B) Both (A) and	d (R) are true, but (R) is r	ot the c	orrect explanati	on of (A)					
	(C) (A) is true, but (R) is false									
	(D) (A) is false, but (R) is true									
28.	Which of the fo	ollowing is not correctly r	natched	atched?						
	(A) Auxin	- Cell enlargement		(B) Gibberellin	- Amyla	se synthesis				
	(C) Cytokinin	- Promotes ageing prod	cess	(D) Ethylene	- Fruit r	ipening				
29.	Coralloid roots	are found in								
	(A) Paddy	(B) Gnetum		(C) Araucaria		(D) Cycas				
30.	Pulses contain	large amount of								
	(A) Fats	(B) Vitamins	(C) Pro	teins	erals					
31.	Which one is a	xerophytes?								
	(A) Hydrilla	(B) Nelumbium		(C) Nerium		(D) Ceratoph	yllum			
32.	Which of the fo	ollowing diseases is not c	aused b	y bacteria?						
	(A) Typhoid	(B) Influenza		(C) Diphtheria		(D) Cholera				
33.	Which one of th	he following is correctly	matched	1?						
	(A) Stanley	- Penicillin		(B) Alexander F	leming	- AIDS				
	(C) Robert Gallo	o – Tobacco mosaic virus	;	(D) Iwanoski		very of virus				
34.	Gymnosperms			()		,				
3 1.			(B) On	on soodod plant						
	(A) Closed seed		(B) Open seeded plant							
Learni	(C) Seedless pla ng Leads To Ru		ט) Her	baxeous plants		Pa	ge 4 of 12			

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35. Reduction division is (A) Amitosis (B) Mitosis (C) Nuclear division (D) Meiosis The female sex organ of polytrichum is 36. (A) Antheridium (B) Archegonium (D) Protonema (C) Foot 37. DNA model was first proposed by (A) Watson and Paul (B) Watson and Crick (C) Robert Hooke (D) Robert Brown Match list-I with list-II correctly and select your answer using the codes given below: 38. List-I List-II (a) Chloroplast 1. Cellulose secretion (b) Golgi complex 2. Photosynthesis (c) Endoplasmic reticulum 3. Metabolic activities (d) Protoplasm 4. Protein synthesis Codes: d а 2 (A) 3 (B) 2 1 (C) 2 1 3 (D) 4 3 2 1 NOTE: (a - 2, b - 4, c - 3, d - 1)39. Mendel did his hybridization experiments in this plant (A) Sweet pea plant (B) Pea plant (C) Tomato plant (D) Cotton plant 40. The sun's energy is fixed in the world by (A) Soil (B) Water (C) Green plants (D) Animals Fixation of nitrogen in the soil is done by 41. (A) Virus (B) Fungus (C) Bacteria (D) Protozoa 42. Plasmodium belongs to this group

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	(A) Protozoa	(B) Virus	(C) Ba	cteria	(D) Fungus						
43.	Genes are located on										
	(A) Chromosomes	(B) Ribosome	(C) Lys	sosome	(D) Dictyosome						
44.	Select the correct orde	r in the life – cycl	le of a bryophy	te							
	(A) Spores – Sporophyt	e – Gametophyte	e – Fertilization								
	(B) Gametophyte – Ga	metes – Fertilizat	ion – Sporophy	te							
	(C) Gametophyte – Spores – Fertilization – Sporophyte										
	(D) Sporophyte – Spor	es – Fertilization	Gametophyt	e							
45.	Which one of the follow	wing is correctly I	matched?								
	(A) Tuberculosis - Fung	us	(B) Cholera	- Bacterium							
	(C) Mumps - Bacte	eriophage	(D) Tetanus	- Virus							
46.	The botanical name of	Bengal gram is									
	(A) Arachis hypogea		(B) Pisum sativ	vum							
	(C) Cicer arietnum		(D) Phaseolus	mungo							
47.	Select the correct orde	r of stages in mit	osis:								
	(A) Metaphase, Propha	ise, Anaphase, Te	elophase								
	(B) Prophase, Anaphas	e, Metaphase, Te	elophase								
	(C) Prophase, Metapha	ase, Anaphase, T	elophase								
	(D) Prophase, Telophas	se, Anaphase, Me	etaphase								
48.	A pure breeding dwarf dwarf and tall plants in		•	vith a pure breed	ling tall plant (TT) will produce						
	(A) 1:3 (B) 3:	1 (C) 1 : 2	2:1	(D) 9:3:3:1							
49.	The male sex organ in	chara is called as									
	(A) Archegonium	(B) Stamen	(C) Nu	cule	(D) Globule						
50.	Bacteria were first disc	overed by									
	(A) Anton Van Leeuwe	enhoek	(B) W. M. Stan	ley							

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	(C) Calvin		(D) Rob	(D) Robert Gallo					
51.	Which one of the	he following is correctly	matched	?t					
	(A) Gnetum	- Gymnosperm	(B) Pol	(B) Polytrichum - Algae					
	(C) Chara	- Pteridophyte	(D) Sela	(D) Selaginella - Bryophyte					
52.	Which one of the	he following tissues con	ducts foo	lucts food material in plants?					
	(A) Xylem	(B) Pholem		(C) Sclerenchyma		D) Collenchyma			
53.	Penicillin is a/a	n							
	(A) Alkaloid	(B) Resin		(C) Antibiotic	(D) Fungus			
54.	Polio is caused	by							
	(A) Virus	(B) Bacterium		(C) Whipworm	(D) Tapeworm			
55.	The energy nee	eded by the living organi	sm is ult	imately obtained	I from				
	(A) Sun (B) Water		(C) Air		(D) Petro	l			
56.	In plants, water	r is conducted by							
	(A) Parenchyma	a (B) Sclerenchyr	ma	(C) Pholem	(D) Xylem			
57.	Peristomes are	present in							
	(A) Chara	(B) Polytrichun	n	(C) Adiantum		D) Penicillium			
58.	The weed whic	h reached India as a con	taminan	t of wheat impo	rted unfrt	PL 480 scheme is			
	(A) Lantana	(B) Eichornia		(C) Parthenium	ı (D) Prosopis			
59.	Polio is caused	by a							
	(A) Bacterium	(B) Fungus		(C) Mosquito	(D) Virus			
60.	Tobacco contai	ns a poisonous substanc	ce called						
	(A) Endotoxin	(B) Asprin		(C) Nicotine	(D) Caffeine			
61.	Palaeobotany o	deals with the study of							
	(A) Fossil plant	s (B) Rocks		(C) Fossil anima	als (D) Living plants			
62.	The work 'Bios	phere' means							
	(A) Total assen	nbly of all living organis	ms						

	(B) Only	plants	of the w	orld							
	(C) Only	animal	s of the	world							
	(D) Only	microc	organisn	n of the v	world						
63.	Microbi	al world	d was di	scovered	l in the y	/ear					
	(A) 1763	3		(B) 136	7		(C) 1673		(D) 1667		
64.	Gameto	phytes	are								
	(A) Hapl	loid stru	ıctures			(B) Gamete producers					
	(C) Prot	halli				(D) All	these				
65.	Presenc	e of a c	ambium	indicate	es						
	(A) Ope	n vascu	lar bun	dle		(B) Closed bundle					
	(C) Incomplete vascular bundle					(D) Broken vascular bundle					
66.	The phy	llotaxy	of Gnet	um is							
	(A) Opp	osite		(B) Teri	nate		(C) Alter	nate	(D) Decussate		
67.	Match li	ist-I wit	h list-II d	correctly	and sel	ect your	answer u	sing the code	s given below:		
		List-I				List-II					
	(a) Mic (b) Meg (c) Mic (d) Meg	gasporo rospore	phyll		 Ovul Polle Stam Carp 	llen amen					
	Codes:										
		a	b	С	d						
	(A)	1	3	4	2						
	(B)	2	1	3	4						
	(C)	3	4	2	1						
	(D)	4	2	1	3						
68.	The spe	rm in cy	cas is								
	(A) Bicili	iate and	l spirally	colled		(B) Bici	liate and _l	pyriform			
	(C) Top	– shape	ed and n	nulticilia	te	(D) Top	– shaped	l without cilia	1		

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69.	Circinate vernation of	leaves is a typica	al charac	ter of						
	(A) Gymnosperms		(B) Fer	ms						
	(C) Pteridohytes in gen	eral	(D) Ord	hids						
70.	All fungi are always									
	(A) Parasites	(B) Autotrophs		(C) Heterotrophs	(D) Saprophytes					
71.	Why blue green algae a	are called cyano	bacteria	?						
	(A) Because they are pr	rokaryotic								
	(B) Because they live in watery medium									
	(C) Because they have	blue colour								
	(D) Because they are un	nicellular organis	sms							
72.	The gymnosperms rese	mble angiosper	ms in ha	ving						
	(A) Ciliated sperms		(B) Pre	sence of archegonia						
	(C) Presence of ovules		(D) Pre	sence of monoxylic	wood					
73.	The disease caused by	the fungus collet	torichum	n falcatum is known a	as					
	(A) Downy mildew		(B) Leaf curl							
	(C) Red rot		(D) Blig	tht disease						
74.	Dendrochronology is th	ne study of								
	(A) Height of a tree									
	(B) Diameter of a tree									
	(C) Age of a tree with t	he help of annu	al rings							
	(D) Counting the numb	er of branches								
75.	Clove is obtained from	which of the pla	nts part	s given below?						
	(A) Stem	(B) Flower bud	s	(C) Leaves	(D) Root					
76.	Match list-I with list-II	correctly and sel	ect your	answer using the co	des given below:					
	List-I		List-II							
	(a) Riccia (b) Selaginella	 Monoecious Homoporous 								

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	(c) Ne	ephrolep nus	is			3. Heterosporous4. Homothallic					
	Codes:										
		a	b	С	d						
	(A)	4	3	2	1						
	(B)	3	4	1	2						
	(C)	1	3	4	2						
	(D)	2	1	3	4						
77.	Which	of the a	lgae give	en below	grows i	grows in sewage ponds?					
	(A) Chl	orella		(B) Vol	vox		(C) Gelidium		(D) Ulva		
78.	Which	of the p	lant gro	ups men	tioned b	elow ar	e popularly known	as am	phibious of plant k	ingdom?	
	(A) Bad	cteria		(B) Fur	ngi		(C) Algae		(D) Bryophytes		
79.	DNA d	ouble he	elical str	ucture w	as descr	ibed for	the first time by				
	(A) Bea	adle and	Tautum			(B) Mc	Intosch				
	(C) Hai	rgobind	Khorana			(D) Wa	tson and Crick				
80.	Cataly	tically ac	tive enz	yme is c	alled						
	(A) Ho	loenzym	e	(B) Coe	enzyme		(C) Apoenzyme		(D) Ribozyme		
81.	Water	droplets	s at the t	ip of the	e leaf are	due to					
	(A) Cut	ticular tr	anspirat	ion		(B) Len	ticular transpiratio	on			
	(C) Sto	matal tr	anspirat	ion		(D) Gu	ttation				
82.	Match	list-I wi	th list-II	correctly	and sel	ect your	answer using the	codes g	given below:		
		List-I				List-II					
		(Disea	se)		(Spread	ding age	nts)				
	(a) Cholera(b) Polio(c) Malaria(d) Dermatitis				 Fungi Protozoa Virus Bacteria 						
	Codes:										
		a	b	С	d						

	(A)	2	1	4	3						
	(B)	3	4	1	2						
	(C)	4	3	2	1						
	(D)	1	2	3	4						
83.	The age	e of a tre	ee can b	e detern	nined by						
	(A) Me	asuring t	the heig	ht			(B) Mea	asuring its girth			
	(C) Cou	inting th	e annua	al growtl	n rings		(D) Mea	asuring its diame	eter		
84.	The na	me "Tra	veller's p	oalm" re	fers to						
	(A) Coc	os nucif	era			(B) Mus	sa sapier	ntum			
	(C) Rev	enala m	adagas	cariensi	s	(D) Hel	iconia				
85.	Phylloc	le is see	n in the	plant							
	(A) Aca	icia mela	anoxylo	n		(B) Acacia arabica					
	(C) Aca	cia conc	inna			(D) Acacia sundra					
86.	Polyplo	oids can	be artific	cially ind	luced by						
	(A) Col	chicine				(B) Cro	ss – polli	ination			
	(C) Self	– pollin	ation			(D) Vegetative propagation					
87.	Parthe	nocarpy	can be i	nduced	by						
	(A) ABA	4	(B) IAA		(C) GA		(D) C ₂ H	4			
88.	Raphar	nobrassi	ca was d	iscovere	ed by						
	(A) Kar	panchan	iko	(B) Lysa	anko		(C) Mei	ndel	(D) Brown		
89.	When I	FADH ₂ is	oxidize	d, the fo	llowing r	number	of ATP is	produced			
	(A) 3		(B) 2		(C) 1		(D) 6				
90.	Half lea	af experi	ment pr	oves the	essenti	ality of					
	(A) O ₂		(B) CO ₂	2	(C) H ₂ O		(D) HC	O_2			
91.	The un	iversal C	o ₂ accep	otor mol	ecule is o	called					
	(A) RuE	3P		(B) PEP	ı	(C) OA	4	(D) Acetyl CoA			

92.	In anoxygenic p	hotosyr	thesis, which of	ch of the following takes part as electron donors?					
	(A) H ₂ O	(B) CO ₂	(C) H ₃ O		(D) H ₂ S				
93.	Velamen root is	s found i	n						
	(A) Spathoglott	is	(B) Vanda		(C) Cuscuta	(D) Pothos			
94.	Rosewood is ob	otained f	rom						
	(A) Dalbergia la	atifolia		(B) Thespesia populnea					
	(C) Mangifera i	ndica		(D) Delo	onix regia				
95.	Pencillin was in	vented l	by						
	(A) J. Stalk		(B) Hooke		(C) A. Fleming	(D) S. Jenner			
96.	Spirulina which	is a sou	rce of SCP is a						
	(A) Blue green		(B) Red	algae					
	(C) Fungus			(D) Bact	terium				
97.	Chlorophyll is fo	ormed ii	n the presence o	f					
	(A) Copper		(B) Zinc	(C) Alur	ninium	(D) Magnesium			
98.	Hormone invol	ved in pl	nototropism is						
	(A) Auxin		(B) Gibberellin		(C) Kinetic	(D) Vitamin			
99.	Father of genet	cics is							
	(A) Gregor Mer	ndel		(B) Hug	o de vries				
	(C) Robert Hoo	ke		(D) Linnaeus					
100.	The main funct	ion of RI	NA is						
	(A) Carbohydra	te synth	esis	(B) Lipid synthesis					
	(C) Protein syn	thesis		(D) No specific function					