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General Science Model Test Questions 2 With Answers [Botany - 1]

1.	Which one of the following is a green house gas?						
	(A) Oxygen	(B) Nitrogen	(C) Carbon dioxide	(D) Ozone			
2.	The tallest living tree is						
	(A) Eucalyptus	(B) Palm tree	(C) Sequoia	(D) Tree fern.			
3.	Which one of the follow	wing plants is bien	nial?				
	(A) Banana	(B) Pineapple	(C) Jack fruit	(D) Carrot			
4.	Sea weeds are an impo	rtant source of					
	(A) Iron	(B) Chlorine	(C) Bromine	(D) lodine			
5.	Polio is caused by						
	(A) Bacterium	(B) Fungus	(C) Virus	(D) Insect			
6.	"Ozone" as such						
	(A) Protects the earth	from ultraviolet si	unrays				
	(B) Is catalyst in a numb	per of chemical re	actions				
	(C) Is utilized in green h	nouse farming					
	(D) Is a gas which is haz	ardous when inha	aled				
7.	The climatic changes, s	oil erosion and de	creased rainfall is due to				
	(A) Eco system changes		(B) Deforestation				
	(C) Global warming		(D) Green house effect				
8.	AGMARK is						
	(A) Co – operative socie	ety ((B) Regulated market				
	(C) Farmers co-operation	ve	(D) A quality assurance for agricultural products				
9.	Refrigeration is a proce	ess which					
	(A) Kills bacteria		(B) Slows down the bacterial growth				
	(C) Inactivates the bact	eria ((D) Plasmolyses the bacteria				
10.	The blue – green algae	are					

	(A) Photoheterotrophs(C) Chemoautotrophs		(B) Photoautotrophs				
			(D) Chemoheterotrophs				
11.	Which of the fo	ollowing acts as a coenzy	me?				
	(A) Zn ⁺⁺	(B) Lipase	(C) Pyridoxin	(D) Lysine			
12.	The phenotypic	ratio of monohybris cro	oss is				
	(A) 1:1:1:1	(B) 1:2:1	(C) 3 : 1	(D) 1:1			
13.	Smallest measu	uring unit in cytology is					
	(A) Micron	(B) mm	(C) Angstrom	(D) Rem			
14.			ly stage under oxygen – vive in that environment	free condition. Which of the following?			
	(A) Obligate an	aerobic bacteria	(B) Obligate halophytes				
	(C) Lichens		(D) Thermophilic algae				
15.	Sexual reprodu	ction is absent in which	of the group of fungi me	ntioned below?			
	(A) Deuteromycycetes		(B) Basidiomydetes				
	(C) Phycomycet	tes	(D) Ascomycetes				
16.	One of the char	racteristics that differen	tiates prokaryotes from	eucaryotes is			
	(A) RNA	(B) DNA (C) Pro	tein (D) Membrane	- bound organelles			
17.	The most comn	non method of vegetativ	ve reproduction in usnea	is			
	(A) Fragmentat	ion (B) Soredia	(C) Gemmae	(D) Hormogania			
18.	Which of the fu	ingi mentioned below is	employed as a genetic tool?				
	(A) Aspergillus	(B) Neurospora	(C) Gibberella	(D) Pencillium			
19.	Heterotrichous	habit is exhibited by					
	(A) Vaucheria	(B) Dictyota	(C) Eutocarpus	(D) Spirogyra			
20.	Photosynthesis	cannot take place in					
	(A) Red light	(B) Blue light	(C) Ultraviolet	light (D) Green light			
21.	Consider the following statements:						

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	I. In pinus only cleavage polyembryony is seen									
	II. In pinus both simple polyembryony and cleavage polyembryony are present.									
	III. In pinus polyembryony is not seen									
	IV. In pinus embryogenesis is not clear.									
	Of the statements:									
	(A) IV a	lone is c	orrect			(B) III alone is correct				
	(C) I alo	ne is co	rrect			(D) II alone is correct				
22.	What is	the cau	se for d	eforesta	tion?					
	(A) Destruction					(B) Rapid explosion of human and live stock population				
	(C) Loss	of gree	n wealth	า		(D) none of these				
23.	How so	il get er	oded?							
	(A) By c	ollectio	n of was	tes		(B) By disposal of wastes				
	(C) By floods and rains					(D) By mechanical methods				
24.	The sha	pe of H	uman Im	ımuno d	eficiency Virus (I	HIV) is				
	(A) Sph	erical in	shape			(B) Rod like in shape				
	(C) Spir	al like in	shape			(D) Comma like in shape				
25.	Match I	ist-I witl	h list-II c	orrectly	and select your	answer using the codes given below:				
		List-I			List-II					
	 (a) Virus (b) Bacteria (c) Nucleus (d) Cell 1. Robert Hook 2. Robert Brow 3. Dimitry Ivan 4. Anton Van L 					n owsky				
	Codes:									
		а	b	С	d					
	(A)	3	4	2	1					
	(B)	4	2	1	3					
	(C)	1	2	3	4					
	(D)	2	3	4	1					

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26.	Polyploidy is most common in								
	(A) Animal kingdom			(B) Plant kingdom					
	(C) Fungi		(D) Pro	tista					
27.	In photosynthesis, the light reaction is known as hill reaction and the dark reaction is known as								
	(A) Dark reaction		(B) Blac	ck reaction					
	(C) Blackman reaction		(D) Dar	kman reaction					
28.	DNA structure was first described by								
	(A) Catcheside	(B) Lederberg	(C) Nirenberg		(D) Watson and Crick				
29.	What is an example for cymose in florescence?								
	(A) Theopesia	(B) Achiranthus		(C) Crotalaria	(D) Caelsalpinia				
30.	Rice is a stape food of polished rice is rich in	eople of India. I	n the milling process, polishing is the final process and the						
	(A) Cellulose	(B) Sugar	(C) Starch		(D) Chitin				
31.	The ratio 9:3:3:1 represents a ratio of								
	(A) Monohybrid	(B) Dihybrid		(C) Trihybrid	(D) Back cross				
32.	Which one of the following is correctly matched?								
	(A) Manihot	- Grain							
	(B) Wheat	- Cotyledon							
	(C) Castor	- Endosperm							
	(D) Saccharum - Stem tuber								
33.	Gnetum is a								
	(A) Herb	(B) Shrub		(C) Climber	(D) Tree				
34.	Largest living tree on ea	arth is							
	(A) Eucalyptus	(B) Giant oak		(C) Sequoia	(D) Juniperus				
35.	Protonema appears in t	the life cycle of							
	(A) Riccia	(B) Marchantia		(C) Funaria	(D) Anthoceros				

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36.	Sugar is obtained from								
	(A) Sugarcane	(B) Beet	(C) Palmyrah	(D) All the	ese				
37.	When a plant cell is placed in a sugar solution takes place.								
	(A) Osmosis	(B) Plasmolysis	(C) Diffusi	ion (I	D) Imbibition				
38.	The kinds of ribose nucleic acid present in any plant cell will be								
	(A) 2	(B) 3 (C) 4	(D) 5						
39.	Vernation mea	ns the arrangement of le	eaf						
	(A) On the stea	(B) On the root	(C) Inside	the bud (I	D) Outside the bud				
40.	In plants, energy is produced during								
	(A) Transpiration	on (B) Photosynth	esis (C) Respir	ration (I	D) Absorption				
41.	The yellowing of leaf is caused by the deficiency of								
	(A) Iron	(B) Cobalt	(C) Copper	(D) Zinc					
42.	Identify the correct sequence of evolution in plants:								
	(A) Pteridophyte – Gymnosperms – Thallophyte – Bryophyte								
	(B) Gymnosperms – Pteridophyte – Bryophyte – Thallophyte								
	(C) Bryophyte – Pteridophyte – Gymnosperms – Thallophyte								
	(D) Thallophyte) Thallophyte – Bryophyte – Pteridophyte – Gymnosperms							
43.	The vascular bundles arranged in a cycas petiole is								
	(A) T- shaped		(B) L – shaped						
	(C) C – shaped		(D) Inverted omega (σ) shaped						
44.	Which one of the	hese is correctly matche	d?						
	(A) Paddy	- Blast disease	(B) Sugarcane -	Ring disease					
	(C) Potato	- Leaf spot	(D) Groundnut -	Red rot					
45.	When the soil i	s rich in organic debris, i	it is known as						
	(A) Humus soil	(B) Clayey soil	(C) Loam	soil (I	D) Organic soil				
46.	A plant growing inside another plant of different species symbiotically is called								

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	(A) Parasite	(B) Saprophyte	(C) Semi – parasite	(D) Endophyte			
47.	"Survival of the fittest" was proposed in his theory of evolution by						
	(A) Darwin	(B) Mendel	(C) Lamarck	(D) De Vries			
48.	In rice polish which is	left as a residue					
	(A) Is of no value	(B)	Has the same nutritive val	ue			
	(C) Twice as nutritive	value (D)	None of the above				
49.	This pteridophyte pro	duces two kinds of sp	ores				
	(A) Lycopodium	(B) Selaginella	(C) Psilotum	(D) Adiantum			
50.	Lepidodendron is a fo	ssil which represents					
	(A) Root	(B) Stem	(C) Fruit	(D) Leaf			
51.	These cells are loosely	y arranged in a plant b	oody				
	(A) Parenchyma	(B) Collenchyma	(C) Sclerenchyma	(D) Acrenchyma			
52.	Maximum rate of pho	tosynthesis occurs in					
	(A) White light	(B) Red light	(C) Green light	(D) Red and blue light			
53.	Resupination is a char	acteristic feature to the	to the flowers of this family				
	(A) Oleaceae	(B) Myrtaceae	(C) Orchidaceae	(D) Malvaceae			
54.	Gemma cup is presen	t in					
	(A) Riccia	(B) Marchantia	(C) Anthoceros	(D) Funcaria			
55.	Which one is correctly	/ matched?					
	(A) Black gram - Tree	(B)	Teak wood - Climber				
	(C) Banana - Herl	(D)	Bengal gram - Shrub				
56.	How many types of ce	ell division are there in	plant cells?				
	(A) 1 (B) 2	(C) 3	(D) 4				
57.	Flowers emit fragrand	e to					
	(A) Purify air	(B)	(B) Drive away flies				
	(C) Attract insects	(D)	(D) Perform all these works				

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58.	Recently pattern right was given to which plant in America									
	(A) Ginger	(B) Turmeric		(C) Onion	(D) Garlic					
59.	Reduction in chromosome number occurs after									
	(A) Mitosis	(B) Amitosis		(C) Meiosis	(D) Linkage					
60.	The male cone of cyas consist of									
	(A) Microsporophylls			(B) Megasporophylls						
	(C) Microsporangia		(D) Me	gasporangia						
61.	Botanical name of pado	ly is								
	(A) Triticum vulgare			(B) Solanum nigrum						
	(C) Qryza sativa			(D) Eleusine coracana						
62.	The male filament of o	edo gonium is kn	own as							
	(A) Gynandrium	(B) Nannandriu	m	(C) Micrandrium	(D) Megandrium					
63.	Guard cells in the stom	ata help in								
	(A) Transpiration	(B) Respiration		(C) Photosynthesis	(D) All of these					
64.	Syngenesis means union of									
	(A) Anthers		(B) Stamens							
	(C) Filaments (D) Androecium and gyneecium									
65.	Identify the correct sequence of protein synthesis									
	(A) Polyribosomes – Aminoacid + tRNA – Polypeptide – Messenger RNA									
	(B) Polypeptide – Polyribosome – Messenger – RNA – Aminoacid + tRNA									
	(C) Messenger – RNA –	(C) Messenger – RNA – Polyribosomes – Aminoacid + tRNA – Polypeptide								
	(D) Messenger RNa – A	minoacid + tRNA	– Polyp	eptide – Polyribosomes						
66.	The study of individual	plant throughou	t their li	fe – history in relation to	the environment is called					
	(A) Autecology	(B) Synecology		(C) Biology	(D) Life – cycle					
67.	Which one of the follow	ving is correctly r	matched	1?						
	(A) Papain - Tobacco		(B) Jute	e - Phloem fibre						

(C) Nicotin - Tea (D) Thein - Papaya

68. Fern prothallus is a

(A) Gametophyte (B) Sporophyte (C) Vegetative body (D) None of these

69. What is the correct sequence of the life – cycle of fern?

(A) Spore – Sporophyte – Gamete – Gametophyte

(B) Zygote – Gametophyte – Sporophyte – Spore

(C) Zygote - Gametophyte - Spore - Sporophyte

(D) Zygote - Sporophyte - Spore - Gametophyte

70. Consider the following statements:

Assertion (A): Onion is a monocot plant.

Reason (R): It has adventitious roots.

Now select your answer according to the coding scheme given below:

(A) Both (A) and (R) are true, and (R) is the correct explanation of (A)

(B) Both (A) and (R) are true, but (R) is not the correct explanation of (A)

(C) (A) is true, but (R) is false

(D) (A) is false, but (R) is true

71. Consider the statements:

I. Viruses are obligatory endoparasites of living cells

II. Viruses have genetic material

III. Viruses can be crystallized

IV. Viruses do not have mitochondria

Of the statements:

(A) I alone is correct (B) I and II are correct

(C) I, II and III are correct (D) All are correct

72. Which of the following lights is necessary for photosynthesis?

(A) Green (B) Red (C) Blue (D) White

73. The fruit of Tomato belongs to the type?

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	(A) Drupe	(B) Berry		(C)) Per	oe	(D) Pome		
74.	The edible part of Cauli	iflower is						
	(A) Inflorescenece	(B) Flower		(C) Frui	t	(D) Flower bud		
75.	The genetic material o	f a cell resides in	1					
	(A) Cytoplasm	(B) Protoplasm		(C) Ribo	osome	(D) DNA		
76.	An ecosystem has two	components, na	mely					
	(A) Weeds and trees		(B) Bio	(B) Biotic and abiotic				
	(C) Frogs and men		(D) Plai	nts and a	nimals			
77.	Development of a spor	ophyte directly f	rom the	sporoph	nytic tiss	ue is called		
	(A) Double fertilization	1	(B) Triple fusion					
	(C) Apospory		(D) Syngamy					
78.	Root hairs absorbs wat	er from the soil o	on accou	int of				
	(A) Plasmolysis		(B) Diff	erence i	s osmot	ic concentration		
	(C) Difference in turgor		(D) Different ions present in the soil water					
79.	Pollination by birds is k	nown as						
	(A) Ornithophily	(B) Anemophily	1	(C) Hyd	rophily	(D) Entomophily		
80.	Autotrophs in an ecosy	stem are called						
	(A) Producers		(B) Con	sumers				
	(C) Decomposeres		(D) Abiotic constituents					
81.	A dye is prepared from							
	(A) Sida (B) Ind	igofera	(C) Tep	hrosia		(D) Tridax		
82.	What is the phenotypic	ratio of comple	mentary	genes ir	n pea?			
	(A) 9:3:3:1	(B) 9 : 7	(C) 15 :	1	(D) Nor	ne of these		
83.	Thymidine is							
	(A) A nitrogenous base	found in DNA	(B) A nitrogenous base found in RNA					
	(C) A nucleotide	(D) None of these						

84.	Match	list-I wit	h list-II d	orrectly	and sele	ct vour	answer using th	ne codes g	given below:		
		List-I		,		List-II					
	(a) Malaria(b) Small pox(c) Goitre(d) Leprosy			 Plasmodium Bacterium Virus Iodine deficiency 							
	Codes:										
		а	b	С	d						
	(A)	2	4	1	3						
	(B)	1	3	4	2						
	(C)	3	2	1	4						
	(D)	4	1	2	3						
85.	The fire	st effecti	ve vacci	ne again	st polio v	was pre _l	pared by				
	(A) John H. Gibbon				(B) Jonas E. Salk						
	(C) Jan	nes Simp	son			(D) Rob	ert Edwards				
86.	Which	among t	he follo	wing is a	non-pho	otosynth	nesis pigment?				
	(A) Chlorophyy – a				(B) Chlorophyll – b						
	(C) Anthocyanin (D) Phycobilins										
87.	Unit of	classific	ation is								
	(A)Family (B) Clas			SS		(C) Species		(D) Phylum			
88.	Plants	that gro	w in sali	ne water	are calle	ed					
	(A) Halophytes (B) Hydr				rophytes	5	(C) Mesophyte	es	(D) Thallophytes		
89.	Diaton	naceous	earth is	a deposi	t of orga	nisms o	f				
	(A) Xanthophyceae					(B) Phaeophyceae					
	(C)Baci	illariophy	yceae			(D) Rho	dophyceae				
	NOTE: Chrysophyceae										
90.	The ph	ysiologic	cal phen	omenon	conside	red as a	"necessary evil	" in plants	s is		
	(A) Tra	nspirati	on	(B) Pho	tosynthe	esis	(C) Respiration	1	(D) Osmosis		

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91.	The type of phyllotaxy in caltropis is							
	(A) Opposite decussate		(B) Alternate					
	(C) Superposed		(D) Who	rl				
92.	Frankia produces root r	nodules in						
	(A) Legumes	(B) Rice	(C) Casu	arina	(D) Gor	sypium		
93.	Red tides are caused by	,						
	(A) Diatoms	(B) Red dinofla	gellates	(C)	Red algae	(D) Brown algae		
94.	The development of fru	it without fertili	zation is	known as				
	(A) Apomixis	(B) Apospory		(C) Parther	nocarpy	(D) Apogamy		
95.	The agent that carries in	nformation from	DNA to I	RNA is				
	(A) I – RNA	(C) r – RNA			(D) DNA itself			
96.	To induce callus which	one of the follow	ving chen	nicals is nec	cessary?			
	(A) NAA	(B) BAP		(C) 2, 4-D		(D) 2, 4, 5-T		
97.	Arachis hypogae (grour	ndnut) belongs to	the fam	ily				
	(A) Malvaceae		(B) Euph	orbiaceae				
	(C) Musaceae		(D) Papi	lionaceae (Fabaceae)			
98.	A definite number of ce	ells arranged in a	specific	manner in a	an algal color	ny is known as		
	(A) Coenobium	(B) Thallus		(C) Globule	!	(D) Nucule		
99.	Which of the groups of plants mentioned below consists of phycobiont and mycobiont living together a an unit?							
	(A) Lichens	(B) Mycoplasm		(C) Algae		(D) Bacteriophages		
100.	Which of the scientists	mentioned belov	w for the	first time,	observed and	d described bacteria?		
	(A) Loeffler		(B) Louis	s Pasteur				
	(C) Koch		(D) Anton Van Leeqenhoek					