1.

General Science Model Test Questions 37 With Answers [Botany - 8]

Which one of the following is an underground stem?

	(A) Ipornoea batatas			(B) Manihot utilissima			
	(C) Dancus carota		(D) Zingiber officinale				
2.	The term 'cauliform' re	fers to					
	(A) Root like	(B) Stem like		(C) Flower like	(D) Bud like		
3.	Branchysclereids are al	so called as					
	(A) Stone cells	(B) Root hairs		(C) Damaged cells	(D) Live cells		
4.	The nucleus of the cells	s was first discove	ered by				
	(A) Palade	(B) Porter		(C) Robert Brown	(D) All of them		
5.	Proteins synthesis occu	ırs in					
	(A) Mitochondria	(B) Chloroplast		(C) Ribosome	(D) Golgi bodies		
6.	Which folds into a typic	cal 'cloverleaf' lik	e struct	ure?			
	(A) m – RNA	(B) r – RNA		(C) c – RNA	(D) t – RNA		
7.	Parthenocarpy refers to	o the formation o	of				
	(A) Seeds without fertil	ization	(B) Frui	its without pollination			
	(C) Seeds after fertilization	tion	(D) Fru	its without fertilization			
8.	Glycolysis occurs in						
	(A) Cytoplasm	(B) Mitochondr	ia	(C) Bubbles	(D) Chloroplast		
9.	The mineral essential for	or the formation	of DNA	and ATP molecules in liv	ving cells is		
	(A) Phosphorus	(B) Sulphur		(C) Sodium	(D) Calcium		
10.	Which of the following	pigment maintai	ins eye v	vision?			
	(A) Lutein		(B) Chlo	orophyll			
	(C) Bacteriochlorophyll		(D) Phy	cocyanin			
11.	Cellular respiration occ	urs in					
	(A) Centromeres	(B) Micromeres	;	(C) Nucleolus	(D) Mitrochondria		
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12.	The study of spores, pollen and micro – organisms is known as						
	(A) Polynology	(B) Agrostolgy	(C) Anthology	(D) Phycology			
13.	The viruses which attac	k algae are terme	ed as				
	(A) Bacteriophages	(B) Mycophages	(C) Cyanophages	(D) Coliphages			
14.	The enzyme used to un	ite DNA fragment	t is				
	(A) DNA ligase		(B) DNA polymerase				
	(C) Ribozyme		(D) Restriction endronucleas	e			
15.	Which of the following	is a semi – auton	omous organelle of a plant co	ell?			
	(A) Endroplasmic reticu	ılum (B) Ribo	some (C) Chloropla	(D) Dictyosome			
16.	Natural system of plant	classificaction w	as proposed by				
	(A) Cronquist		(B) Engler and Prantl				
	(C) Linnaeus		(D) Bentham and Hooker				
17.	How did the Sithars cal	l 'Vallarai Keerai'					
	(A) Keerai	(B) Saraswathi	(C) Maruthu	(D) Lakshmi			
18.	The study of age of the	trees by counting	g annual rings is called				
	(A) Dendrogram		(B) Dendrochronolgy				
	(C) Entomology		(D) Gerntology				
19.	A plant that lives in a po	ond is called as					
	(A) Limnophyte	(B) Xerophyte	(C) Mesophyte	(D) Lithophyte			
20.	Which of the following	has the smallest	flower?				
	(A) Wolffia microscopio	С	(B) Canna indica				
	(C) Azadiracta indica		(D) Pyrus malus				
21.	Which of the following	acts as biological	control organism against gly	cotoxin producing soil pathogens?			
	(A) Trichodrma virens		(B) Aspergillus niger				
	(C) Penicillium notatum	1	(D) Chaetomium globosum				
22.	The organism used by T.H.Morgan to study mutation was						

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	(A) Chlorella	(B) Drosophilla	3	(C) Yeast	(D) Neurospora			
23.	Unicellular plant and ar	nimals showing	Eukaryot	ic cell structure are inclu	ded under the kingdom			
	(A) Monera	(B) Fungi		(C) Plantae	(D) Protista			
24.	The structure observed	by Robert Hool	ke in plan	it cell was				
	(A) Protoplasm	(B) Cell wall		(C) Nucleus	(D) Tracheids			
25.	Species plantarum was	authored by						
	(A) Hutchinson		(B) Card	(B) Carolus Linnaeus				
	(C) Englar and Prantl		(D) Ben	tham and Hooker				
26.	Which of the following	is wrongly mato	thed?					
	(A) Microporangial serus -			Anthor				
	(B) Microspore	-	Pollen g	Pollen grains				
	(C) Megasporophyll	-	Ovule					
	(D) Microsporophyll	-	Stamen					
27.	Opsonin was discovered	d by						
	(A) Jules Bordet		(B) Christian Gram					
	(C) Almroth Wright		(D) Lou	(D) Louis Pasteur				
28.	One gene and one enzy	me hypothesis	was put f	orth by in				
	(A) Beadle and Tatum, I	E.Coli	(B) Beadle and Tatum, Neurospora					
	(C) Jacob and Monad, N	leurospora	(D) Jacob and Monad, E.Coli					
29.	Position effect is the re	sult of						
	(A) Translations	(B) Inversions		(C) Transcriptions	(D) Deletions			
30.	Study of the inter – rela	tions between	the indivi	idual plant and its enviro	onment is called			
	(A) Synecology	(B) Ecosystem		(C) Autecology	(D) Biodiversity			
31.	Which of the following	is correctly mat	ched?					
	(A) Nepenthes	- Stoney	worts					
	(B) Drosera	- Hornw	orts					

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(C) Ultricularia Pitcher plant (D) Dionea Venus fly trap 32. Biodiesel is obtained from which plant? (B) Bamboo (C) Jatropha (D) Ficus (A) Mango 33. The famous Ethnobotanist in India is (A) V.M. Meher – Homji (B) R.P.S. Katwal (C) S.K. Jain (D) S.S. Bhojwani Which of the following is not recycled in an eco – system? 34. (D) Energy (A) Water (B) Carbon (C) Nitrogen 35. Endothecium and endothelium are structures associated with (B) Anther and Nucellus (A) Anther and Integument (C) Integument and Anther (D) Anther and Ovary wall 36. Match List – I and List – II correctly and select your answer the codes given below: List - I List - II (a) Aqua culture (1) Silk (b) Floriculture (2) Grapes (c) Sericulture (3) Flower (d) Viticulture (4) Fish Codes: a b d (A) 1 2 3 4 2 (B) 3 1 4 (C) 2 4 1 3 (D) 3 1 2 Which of the following structure is involved in the process of photo respiration? 37. (B) Golgi body (C) Peroxicome (D) Ribosome (A) Lysosome 38. An example of polycarpic plant is

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	(A) Pea	(B) Mango	(C) Bamboo	(D) Pigeon pea					
39.	The single membrane s	surrounding vacuoles in	plant cells is known as						
	(A) Apoplast	(B) Symplast	(C) Tonoplast	(D) Chloroplast					
40.	The famous book 'Cell	Cell Biology' was written by							
	(A) Odum	(B) De Roberties	(C) Strickberger	(D) Berril					
41.	Botanical name of Turr	neric is							
	(A) Azadirachia indica	(B) Hib	iscus rosa sinensis						
	(C) Curcuma domestica	a (D) An	nmonia baccifera						
42.	What are BSI and ZSI?								
	(A) The Botanical Surv	ey of India and Zoologic	al Survey of India						
	(B) The Botanical Service	ce of India and Zoologica	al Service of India						
	(C) The Basic Survey of	India and Zonary Survey	of India						
	(D) The Basic Service of	f India and Zonary Service	ce of India						
43.	Consider he following s	statements and choose t	he correct answer from	the options given below:					
	(a) Succulence in halop	hytes is to store water t	o be used in future.						
	(b) Succlence in hydror entry of salts in the cel		on of more water to neu	tralize the effect of increased					
	(c) Excess salts at times	s is deposited on the sur	face of leaves.						
	Of these:								
	(A) (a) and (c) are corre	ect and (b) is wrong							
	(B) (b) is correct and (a) and (c) are wrong							
	(C) (c) is correct and (a)	and (b) are wrong							
	(D) (a) is wrong and (b) and (c) are correct							
44.	Which of the following	statements about hydro	osere is true?						
	(I) The phytoplankton s	tage consists of free flo	ating species like Azolla,	Lemna and Wolffia.					
	(II) Forest stage is the o	limax community.							

- (III) Second stage in succession is rooted floating stage.
- (IV) Woodland stage is invaded by terrestrial plants.
- (A) (I), (II) and (IV)

(B) (II) and (IV)

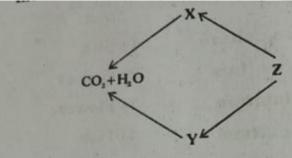
(C) (IV) only

- (D) (I), (III) and (IV)
- 45. What were the colours of contrasting characters of seed coat studied by Mendal among the garden peas?
 - (A) Red and white

(B) Yellow and green

(C) Grey and white

- (D) Pink and white
- 46. Who has not participated in the discovery of Mendel's experiments in 1900?
 - (A) Decries
- (B) Morgan
- (C) Correns
- (D) Tschermark
- 47. One of the following special inflorescence is the characteristic feature of Euphorbianceae family
 - (A) Cyanthium
- (B) Verticillaster
- (C) Hypanthodium
- (D) Coenanthium



- A) X Respiration, Y Photosynthesis, Z Proteins and Oxygen
- B) X Photosynthesis, Y Respiration, Z Carbohydrates
- C) X Anaerobic respiration, Y Photosynthesis, Z Sugars
- D) X Aerobic respiration, Y Photosynthesis, Z - Carbohydrates and Oxygen

48.

Ans: (D)

49.	The you	_	aves of a	a tomato	plant ir	n your garden shows	s interc	einal chlorosis. Select supplement you	
	(A) Sulp	ohur		(B) Iron	1	(C) Copper	1)	D) Molybdenum	
50.	The soi	I zone is	conside	red to b	e a grea	t biological factory b	because	2,	
	(A) A gı	reat vari	eties of	organic (compou	nds are generated ir	n the so	oil layers	
	(B) Nec	essary r	utrients	are mad	de availa	able to plants from t	the soil	layers	
	(C) Soil	layer ho	olds wate	er in sto	rage wh	ich is used by plants	and an	nimals	
	(D) All	of the a	bove						
51.	Match	list-I wit	h list-II c	orrectly	and sel	ect your answer usir	ng the c	codes given below:	
		List-I			List-II	List-II			
	(a) Smallest flower(b) Biggest flower(c) Irregular flower(d) Monochlamydous			 Dischidia rafflesia Canna Phyllanthus Wolfia 					
	Codes:								
		a	b	С	d				
	(A)	2	1	3	4				
	(B)	1	2	3	4				
	(C)	3	4	1	2				
	(D)	4	1	2	3				
52.	Match	list-I wit	h list-II c	orrectly	and sel	ect your answer usir	ng the c	codes given below:	
		List-I				List-II			
	(c) Photosynthetic bacteria								
	Codes:								
		a	b	С	d				

(A) 1 2 4 3

	(B)	1	2	3	4				
	(C)	4	3	2	1				
	(D)	4	3	1	2				
53.	Angios	perms d	liffer fro	m gymn	osperms	by			
	(A) Bei	ng ever	green			(B) Ha	ving com	pound leaves	
	(C) Bei	ng small	er in siz	e		(D) Ha	ving ovu	le enclosed in t	the ovary
54.	Which	one of t	he follo	wing is a	short da	ay plant	?		
	(A) Mii	rabilis				(B) Nicotiana tobaccum			
	(C) Beta vulgaris					(D) Sp	inacea ol	eracea	
55.	Edible mushroom are								
	(A) Aga	aricus bi	sporous	;		(B)Rhizopus			
	(C) Mu	icor				(D) Ne	urospora		
56.	The me	ethod of	respirat	tion whic	ch takes	plave in	n euglena	is	
	(A) Cor	ntraction	า	(B) Abs	sorption		(C) Diff	usion	(D) Conduction
57.	Which one of the following is not a kind of cell of xylem tissue?								
	(A) Tra	cheids		(B) Tra	cheae		(C) Con	npanion cells	(D) Wood fibres
58.	Match	list-I wit	th list-II	correctly	and sel	ect you	ranswer	using the codes	s given below:
		List-I			List-II				
		dding agmenta Ilination			 Yeas Flow Bact Alga 	ering p eria	lants		
	Coues.		b	6	d				
	(A)	a 3	1	c 4	u 2				
		1	4	2					
	(B)				3				
	(C)	4	2	3	1				

	(D)	2	3	1	4					
59.	Find o	ut the co	rrect co	mpositio	on of Ho	ney.				
	(A) Su	gar, Min	eral, Pol	len, Vita	min	(B) Sugar, Prote	ein, Pollen, Vitamin			
	(C) Sug	gar, Mine	eral, Fat,	Vitamin	l	(D) Sugar, Mine	eral, Fat, Amino acid			
60.	Consid	er the fo	ollowing	stateme	ents:					
	I. Rem	oval of t	rees and	l vegetat	ion wou	ld affect both la	nd and water ecosys	tems.		
	II. The	re will be	e a lot of	food fo	r organis	sms.				
	Of the	se:								
	(A) I is	correct,	but II is	wrong		(B) I is wrong, b	out II is correct			
	(C) Bot	h are co	rrect			(D) Both are wr	ong			
61.	Match	list-I wit	th list-II (correctly	and sele	ect your answer	using the codes give	n below:		
	List-I				List-II					
	(a) Brinjal(b) Apple(c) Pea				2. Berr	 Legume Berry Septicidal capsule 				
	Codes:	dy's fing	ei		4. POIII	4.1 one				
	Coues.		b		d					
	(A)	a 2	4	c 1	d 3					
	(A)	4	1	3	2					
	(C)	3	1	2	4					
	(D)	1	2	3	4					
62.						which of the follo	wing?			
			nd plant				and cluster bean			
			and cow			(D) Cowdung a	nd animal wastage			
63.	Name	the gas	which is	evolved	during p	hotosynthesis.				
	(A) Car	bondio	ide		(B) Nitr	rogen	(C) Hydrogen	(D) Oxygen		
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64.	Consider the following	ng statemer	nts:			
04.	Assertion (A): Insectivorous plants digest proteins of insect body.					
			_		ient soii	
	Select your answer a	-		eme given below:		
	(A) (A) is true, but (R) does not e	explain (A)			
	(B) Both (A) and (R) a	are true, (R	explains (A)			
	(C) (A) is true, but (R)	is false				
	(D) Both (A) and (R) a	re false				
65.	What is the study of	Algae called	d?			
	(A) Physiology	(B) Phy	cology	(C) Mycology	(D) Pomology	
66.	Which one of the foll of male and female g		nomenon mear	s "the formation o	f fertile botanic seed without any fusion	
	(A) Apomixis	(B) Apos	spory	(C) Diplospory	(D) Amphimixis	
67.	Consider the following	ng statemer	nts and choose	the correct answer	from the options given below:	
	I. Flowers of wild ban	ana and ca	cti open at nigh	nt and are pale in c	olour	
	II. Squirrels pollinate	wild banan	a and cacti.			
	III. Wild banana and o	cacti are po	llinated by bats	5.		
	(A) II is correct answ	er for I				
	(B) II and III are corre	ct and I is w	vrong			
	(C) III and II are corre	ct answer f	or I			
	(D) I and III are corre	ct and II is	wrong			
68.	Match the following:					
	List-I		List-II			
	(a) Respiration		1. Chloroplast			
	(b) Protein synthesis		2. Mitochondri	on		
	(c) Photosynthesis		3. Dictyosome			

(d) Secretion 4. Ribosome Codes: а d (A) 3 2 4 1 (B) 3 2 1 (C) 2 (D) 2 4 1 3

- 69. To get a high yield, which gene from Bacteria can be introduced to non-leguminous crops?
 - (A) T₂ gene
- (B) B₂ gene
- (C) Nif gene
- (D) Antisense gene
- 70. Consider the following statements and choose the correct answer from the options given below:

The maximum amount of protein, carbohydrate, fat, ash and water content in the matured anther occur in the following ratio:

Protein \leftrightarrow Carbohydrate \leftrightarrow Fat \leftrightarrow Ash \leftrightarrow Water

- (A) Protein > Carbohydrate > Fat > Ash > Water
- (B) Protein < Carbohydrate < Fat < Ash < Water
- (C) Protein > Carbohydrate < Fat > Ash > Water
- (D) Protein < Carbohydrate < Fat > Ash > Water
- 71. Which of the following statements about Blue Green Algae is/are true?
 - I. The cells of Blue Green Algae are Prokaryotic.
 - II. The storage food product of Blue Green Algae is Laminarin.
 - III. The membrane bound plastids are absent in the cells of Blue Green Algae.
 - IV. Flagella are absent in Blue Green Algae.
 - (A) II and IV
- (B) I and II
- (C) II and III
- (D) I, III and IV

- 72. One of the main source of Vitamin 'C' is
 - (A) Citrus fruits (lemon)
- (B) Eggs
- (C) Banana
- (D) Milk
- 73. Match list-I with list-II correctly and select your answer using the codes given below:

List-I

List-II

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(a)	Light	1. Traumatotropism
(b)	Touch	2. Phototropism

- (c) Gravity 3. Thigmotropism
- (d) Wound 4. Geotropism

Codes:

a b c d

- (A) 2 3 1 4
- (B) 3 2 4 1
- (C) 2 3 4 1
- (D) 4 1 3 2
- 74. Which one of the following phenomenon means "acquisition of the ability to flower by chilling treatment"?
 - (A) Photoperiodism (B) Epinasty (C) Vernalization (D) Dormancy
- 75. Consider the following statements:
 - I. Oxygen is not required for glycolysis.
 - II. CO₂ is released during glycolysis.

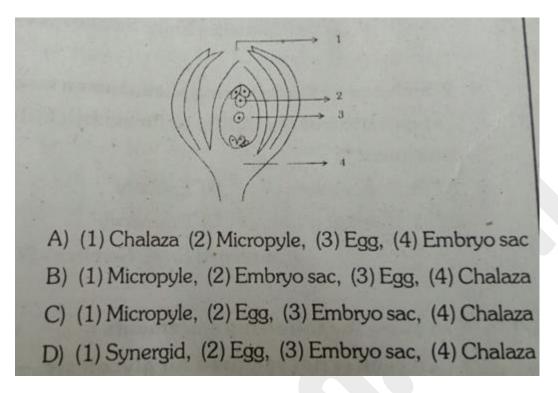
Which one of the statements given above is/are wrong?

- (A) Both I and II (B) I only (C) II only (D) Neither I nor II
- 76. Consider the following statements and choose the correct answer from the options given below:

There are no special organs of excretion in plants because:

- I. Plants use all the substances that enter their body completely.
- II. Plants break down substances very slowly when compared to animals.
- III. Waste products are stored in leaves that fall off.
- IV. Waste products are exuded in the form of resins, saps and latexes
- (A) I is correct and II and III are wrong
- (B) I and II are correct and III and IV are wrong
- (C) II and III are correct and I and IV are wrong
- (D) I is wrong and II IV are correct

77.



Ans: (C)

- 78. In anaerobic respiration, the respiratory quotient of glucose is infinity. Give the reason.
 - (A) CO₂ is evolved but O₂ is not consumed
 - (B) CO₂ is consumed also O₂ is consumed
 - (C) CO₂ and O₂ is evolved
 - (D) CO₂ only consumed
- 79. Father of taxonomic Botany or Modern Botany is:
 - (A) John Ray

(B) Carlous Linnaeous

(C) A.P. Candole

- (D) Theorphrastus
- 80. Consider the following statements:
 - A) Flowering hormone is synthesized in the leaves and is transported to the apical tips of the branch where it results flowering.
 - (B) Flowering hormone cannot be translocated from one plant to another.
 - (A) Both (A) and (B) are correct
- (B) (B) alone is correct
- (C) (A) alone is correct
- (D) Both (A) and (B) are wrong

81. Match list-I with list-II correctly and select your answer using the codes given below:

List-I

List-II

- (a) Morphine
- 1. Tobacco

(b) Nicotine

2. Cinchona

(c) Quinine

- 3. Cocoa bean
- (d) Theobromine
- 4. Poppy

Codes:

- a
- c d
- (A) 4
- 2
- (B) 3
- 1
- 2
- ,
- ·

2

- 4
 - 4

(D)

(C)

4

2

- 1
- 3

3

1

1

- 82. Consider the following statements and choose the correct answers from the options given below:
 - (A) Hidden nectries and suitably designes flowers are adoptions to attract specific pollinators.
 - (B) Plants communicate to pollinators by developing exclusive arrangement with just one spices of messenger, that can deliver pollens only to other flowers of the same species.
 - (C) Pollinators are not species specific and they transfer pollen to flowers that may not belong to same species.
 - (A) A and B are wrong and only C is correct
 - (B) A and B are correct and C is wrong
 - (C) B and C are correct explanations to A
 - (D) C and A are correct explanations to B
- 83. Arrange the following divisions of the classification of the plant kingdom in descending order:
 - I. Division Pteridophuta
- II. Division Thallophyta
- III. Division Spermatophyta
- IV. Divison Bryophyta

- (A) IV, II, III, I
- (B) III, I, IV, II
- (C) II, I, IV, III
- (D) I, IV, II, III
- 84. Identify the kind of movement exhibited by Mimso pudica (sensitive plant).
 - (A) Nyctinastic movement
- (B) Thigmonastic movement
- (C) Photonastic movement
- (D) Seismonastic movement

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85.	Consider the following statements:								
	Assertion (A): Insectivorous plants digest proteins of insert body.								
	Reason (R): Insectivorous plants grown in nitrogen (N ₂) deficient soil.								
	(A) (A) is true b	out (R) does not explain (A)						
	(B) Both (A) an	d (R) are true, (R) explai	ins (A)						
	(C) (A) is true b	ut (R) is false							
	(D) Both (A) an	d (R) are false							
86.	Consider the fo	ollowing statements:							
	Assertion (A): Sclerenchyma cells provide mechanical support to the plants.								
	Reason (R):	Sclerenchyma cells hav	e thin cell wall.						
	 (A) Both (A) and (R) are individually true and (R) is the correct explanation of (A) (B) Both (A) and (R) are individually true and (R) is not the correct explanation of (A) (C) (A) is true, but (R) is false (D) (A) is false, but (R) is true 								
87.	Which of the fo	ollowing is/are correctly	matched?						
	I. Hard resin	- Cocaine	II. Oleo resin	- Canada balsa	am				
	III. Latex	- Rubber	IV. Alkaloid	- Asafoetida					
	(A) I only	(B) II and III	(C) III o	only	(D) I and IV				
88.	Which one of t	he following statement(s	s) about Blue Gr	een Algae (BGA)) is/are not correct?				
	(A) They are green negative photosynthetic cyanobacteria								
	(B) They have survived for about 3 billion years								
	(C) Spirulina is the edible form of BGA								
	(D) Sargassum belongs to BGA								
89.	The chromoner	ma is a coiled structure,	which can be ea	sily separated ir	n case of				
	(A) Paranemic	coil	(B) Plectonemi	(B) Plectonemic coil					
	(C) Chromonen	nic coil	(D) Telonemic	coil					
90.	The enzyme dis	scovered by CSIR to incre	ease sheif life of	fruits and veget	ables is				
	(A) Kinase supe	er oxidase	(B) Ethyl glycor	nase					
	(C) Phenyl aldo	lase	(D) Super oxide dismutase						

91.	Consider the following statements:								
	Assertion (A): Cuscuta is a parasitic animal.								
	Reason (R): Cuscuta depends on the host plant for its organic food, water and mineral salts.								
		(A) Both (A) and (R) are true, and (R) is the correct explanation of (A)							
		d (R) are true, but (R) is r		•	(A)				
	(C) (A) is true, b			on eet explanation of	(, ,)				
	(D) (A) is false,								
92.		llowing statements:							
92.		-	, used or	s super coolents in our	escals and insacticides				
		arbons have been widely			osois and insecticides.				
	·	is harmful to plants and							
		rium phosphoreum is an	•						
		the study of soil in the n	atural at	mosphere.					
	Find the correc	t statements.							
	(A) I, II, III are c	orrect	(B) I, III	and IV are correct					
	(C) I and III are	correct	(D) III a	nd IV are correct					
93.	The colour of to	omato fruits is due to the	e presen	ce of					
	(A) Anthocyani	ns (B) Carotenoid	S	(C) Flavonoids	(D) Tannins				
94.	Which of the fo	ollowing is odd one out?							
	(A) Fillicophyta	(B) Hysterophy	⁄ta	(C) Lycophyta	(D) Psilophyta				
95.	Which of the fo	ollowing statements abo	ut plant	cells are true?					
	I. Plant cells co	ntain centrioles.							
	II. Plant cells ha	eve chloroplasts.							
	III. Plant cells p	ossess cell walls.							
	IV. Plant cells h	ave small vacuoles.							
	(A) I and IV	(B) II and III		(C) I and III	(D) II and IV				
96.	Point out the w	rong statement in the fo	ollowing	:					
	Statements:								
	I. Vitamins A is	Fat soluble.							

- II. Vitamin C is Water soluble
- III. Glycogen is animal starch.
- IV. Vitamin E is also known as calciferol.
- (A) I
- (B) II
- (C) III
- (D) IV
- 97. Choose the correct equation of aerobic respiration:
 - (A) $C_6H_{12}O_6 + 6 O_2 \rightarrow 6 CO + 6H_2O$
 - (B) $C_2H_5O_{10} + 6 CO_2 \rightarrow 6 O_2 + 5 H_2O_2 + 2 CO_2$
 - (C) $C_6H_{12}O_6 + 6 CO_2 \rightarrow 6 CO_2 + 6 H_2O$
 - (D) $C_6H_{12}O_6 + 6 O_2 \rightarrow 6 CO_2 + 6 H_2O$
- 98. Consider the following statement.
 - I) Equisetum is a hydrophyte
 - II. Equisetum is commonly known as Horsetall
 - III. Equisetum is a pteridohytic plant
 - IV. Equisetum belongs to angiosperms

Which of the above statements are correct?

- (A) I and II
- (B) II and III
- (C) III and IV
- (D) IV and I

- 99. Find the odd one out
 - (A) Vitamin A
- (B) Vitamin B
- (C) Vitamin D
- (D) Vitamin E
- 100. Which of the following is/are common in both aerobic and anaerobic respiration?
 - I) Glycolysis
 - II) Kreb's cycle
 - III) Lactic acid fermentation
 - IV) Alcoholic fermentation
 - (A) II only
- (B) I and III
- (C) II and IV
- (D) I only