Total Number of Questions: 100

Time: 75 Minutes

Maximum Marks: 100

## INSTRUCTIONS TO CANDIDATES

- The question paper will be given in the form of a Question Booklet. There will be four versions
  of question booklets with question booklet alpha code viz. A, B, C & D.
- The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
- The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall
- If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is un-numbered, please get it replaced by new question booklet with same alpha code.
- The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- 8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
- Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- Each question is provided with four choices (A), (B), (C) and (D) having one correct answer.
   Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

## 094/2018

1.					ationa		r Alliance Sumr	nit ?	To dia
	(A) Ch	ina	(B)	USA		(C)	Russia	(D)	India
2.	The idea	of Fundamen	tal Du	ities of the	India	Con	stitution is deriv	ed from	n :
		ssian Constitu					h Constitution		
		merican Const		1			ch Constitution		
				action to					
3.	When is	the Earth Day	celeb	orated ?		(6)	N. 01	(D)	M 22
	(A) Ap	oril 21	(B)	April 22		(C)	May 21	(D)	May 22
4.	Which n	ational cricket	team	is called b	y "Th	e Lion	ns" ?		
	(A) No	ewzealand	(B)	Australia		(C)	Sri Lanka	(D)	Pakistan
5.	Who is	the founder of	the s	ocio religio	us mo	veme	nt Prathyaksha	Raksha	Daiva Sabha ?
٥.		ykayil Yohan		0	(B)	Pano	dit K.P. Karuppa	an	
		yya Vaikunda					bhatanandan		
	(-)								
6.	Most ar	ea in India is o	overe	d by:					
	(A) H	ills	(B)	Mountain	S	(C)	Plains	(D)	Plateaus
_	m C		luata l	Tuom Eabou	o com	muni	ty in Travancore	o is ·	
7.	(A) G	P Pillai	(B)	Velavudh	an con	(C)	Nataraja Guru	(D)	Dr. Palpu
8.	Among	the Five Year	Plan c	of India whi	ich of	the fo	llowing period i	s know	n as Plan holiday?
	(A) 19	969 to 1974	(B)	1966 to 19	969	(C)	1965 to 1968	(D)	1961 to 1966
0	NT	littoo	rarill be	conclibato	d by t	ho Ha	rvana Govt, to fi	nd out	solution to polluted
9.	water f	ne committee, lowing in Yan	nuna i	iver.	u by u	He I Id	ryana Gova to m	ici out	Sold work to possible
		am Bilas Shar			(B)	Om	Prakash Dhank	ar Con	nmittee
		rishnalal Pany			(D)	Nar	beer Singh Com	mittee	
				. 1 D .			and mind those	io mo v	aguum " Who said
10.	"The w	hole universe	is one	mind. Bet	ween	mina	and mind there	IS HO V	acuum." Who said
		ree Narayana	Guru		(B)	Ayy	yankali		
		rahmananda S			100		ttampi Swamik	al	
	0.00					(yasal)	Part Land		
11.	The cor	untry which is	firstly	decided to	o intro	duce	Baby Olympics	for chil	ldren is :
	(A) B	ahrain	(B)	Greece		(C)	China	(D)	Japan

12.	Steph	en Hawking, the	leger	dary theor	etical	physic	ist was died o	n:		
	(A)	12th March, 2018	3		(B)	13 <sup>th</sup>	March, 2018			
	(C)	14th March, 2018	8		(D)	15 <sup>th</sup>	March, 2018			
13.	The f	irst Finance Minis	ster o	f India who	prese	ented	the Budget is:			
		Charan Singh			(B)		harlal Nehru			
		R.K. Shanmukha	am Cl	netty	(D)	Mora	arji Desai			
	/			the wild	11 1		* Company			
14.	Who	among the follow	ving v	vas a meml	ber of	the Si	mon Commissi	on?		
		Clement Atlee					ley Baldwin			
	(C)	Neville Chamber			(D)		ford Cripps			
	(-)				, ,		11			
15.	The 1	platform has been	laun	ched by the	Indi	a Gov	. on 2018 Inter	national	Women's	Day is:
		Women Literacy								
		Women Power I					nen Combat Pl			
	(-)				1-7					
16.	Asial	tic Society of Benj	al wa	as founded	by:					
		Raja Rammohan			(B)	Sure	ndranath Bann	neriee		
		C.F. Andrews			(D)		iam Johns	,		
	(-)	C			(-/					
17	Nam	e the country to	host t	he 2021 Ch	ampi	ons Tr	ophy and 2023	World	Cup Crick	et.
		Iran		South Afr					India	(40)
	(,,)		(5)	Doddii iiii	100	(0)	1 4111014111	(2)		
18.	Who	built the Khajura	aho te	mples ?						
		Chauhans		Chandela	S	(C)	Bundelas	(D)	Satavaha	anas
	()		(-/			(-)				
19.	"Bal	yakalasakhi", the	famou	is romantic	work	in Ma	lavalam by Vai	kkom M	luhammed	Basheer
	is a:									
		Drama	(B)	Poetry		(C)	Novel	(D)	Short sto	ry
	()		(-)			(-)		(-)		
20.	Thir	unavaya, famous	for M	lamamgam	is loc	ated in	the banks of	the river		
		Bharathapuzha					Pampa		Kabani	
	1	A STATE OF THE STA		District of the last						
21.	Hem	idesmosomes are	foun	d:						
	(A)				d cell.					
	(B)	Between two ad								
	(C)	Between two ad								
	(D)	Between bacteri				wall.				no el .e.
	(0)	between bacteri	ar me	morane an	u cen	wan.				
22.	Find	the possible path	way	for the pro	ductio	on of a	secondary pro	tein		
	(A)	Secretory vesicle								
	(B)	Rough ER → Ri								
	(C)	Rough ER → Se								
	(D)	Ribosomes → R		-						
	(1)	Kilosomes - K	ougn	Eic - Ciorg	, app	aratus	/ Decretory V	Lateres		

23.	Select the correct order from least to more complex.
	(A) Glucuronate, Hyaluronate, Proteoglycans, GAG chains
	(B) Glucuronate, Hyaluronate, GAG chains, Proteoglycans
	(C) Hyaluronate, Glucuronate, Proteoglycans, GAG chains
	(D) Hyaluronate, Glucuronate, GAG chains, Proteoglycans
24.	Bacterial operon contains three genes P, Q, R in the same order. If polar mutation occurs in
	gene Q then the effect in protein would be observed in :
	(A) All proteins P, Q, R (B) Only in Q and R
	(C) Only in Q (D) Loss of all proteins
25.	The function of Okazaki fragments is to elongate:
	(A) Lagging strand away from the replication fork
	(B) Leading strand away from the replication fork
	(C) Lagging strand towards the replication fork
	(D) Leading strand towards the replication fork
26.	In prokaryotes and eukaryotes DNA replication is initiated :
	(A) At multiple sites on each chromosome, with each site generating two replication fork.
	(B) In a tightly regulated manner so that replication is initiated once per cell cycle at each
	initiation site.
	(C) At multiple sites on each chromosome, with each site generating one replication fork.
	(D) At each end of each chromosome.
27.	In termination of transcription the role of rho protein is:
	(A) It is a DNA binding protein that blocks the movement of RNA polymerase down the template.
	(B) It is a sub unit of RNA polymerase that binds to RNA hairpins and starts transcription.
	(C) It is a nuclease that degrades the 3' ends to RNA transcripts.
	(D) It is a helicase that actively breaks base pairs between the template and transcript.
28.	Number of energy bonds expanded for the formation of a peptide bond is:
	(A) Six (B) Two (C) Four (D) Eight
29.	Even if other sugars are present bacteria utilize glucose first, the mechanism is called:
	(A) Glucose utilization (B) Catabolic repression
	(C) Enzyme repression (D) Operon repression
30.	Which is the specialized protein complex that create an aqueous pore between the cytoplasm of two adjacent cells ?
	(A) Ion channel (B) Gap junction (C) Hormone (D) Receptor
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	[P.T.O.]

31.	Select the false statement about cyclins.	
	(A) Cyclins regulate the activity of M-	I
	(B) Cyclins are degraded rapidly whe	T

- (B) Cyclins are degraded rapidly when the cell enters mitosis.
   (C) There are several families of cyclins that differ in amino acid sequence and in their proteins.
- (D) Cyclins are present at a constant steady state level throughout the cell cycle.
- 32. Which among the following is most likely to happen if there is more than one tunica layer in a stem apex?
  - (A) Only the outer layer will develop into epidermal cell
  - (B) All the layers will develop into epidermal cell
  - (C) All the layers will develop into cortex
  - (D) Inner layer develop into cortex

	fully turgid cell: DPD = OP	DPD = TP	(C)	DPD = 0	(D)	DPD=1

- 34. Which of the following statement is correct?
  - (A) DNA repair system typically work in three major steps detection of error, removal of the abnormality, and replacement of the removed DNA.
  - (B) Luria-Delbruck fluctuation test was designed to differentiate between appearance of a trait due to random, spontaneous mutations appearance of the trait due to adaptation to environmental conditions.
  - (C) A splice site mutation leading to loss of an exon can affect production of regions of the protein encoded in downstream exons even if they are spliced correctly.
  - (D) All the above.
- 35. Genetic drift operates only in :
  - (A) Smaller population (C) Larger population
- (B) Mendalian population
- (D) Island population
- 36. Interferons are:
  - (A) Proteins released by the cells in response to viral infection
  - (B) Protein molecules which render unattacked cells susceptible to viral attack
  - (C) Specific type of immunoglobulin
  - (D) Both (A) and (B)
- 37. Cell wall with peptidoglycan is a characteristic constituent of :
  - (A) Eubacteria and cyanobacteria
  - (B) Eubacteria and unicellular eukaryotes
  - (C) All members of monera and protista
  - (D) Archaebacteria and eukaryotes

38.	Both endogenous and exogenous spores are found in :
	(A) Rhizopus (B) Agaricus (C) Mucor (D) Penicillium
39.	Which is the smallest gymnosperm?
	(A) Pinus gerardiana (B) Cycas revoluta (C) Gnetum gnemon (D) Zamia pygmia
40.	
	(A) Chloroplast (B) Endoplasmic reticulum
	(C) Cristae (D) Outer mitochondrial membrane
41.	Which among the following is the sulphur containing amino acid?
	(A) Glutamic acid, aspartic acid (B) Cysteine, methionine and cystine
	(C) Valine, lysine and cystine (D) Tryptophan
42.	A short length of DNA molecule contains 120 adenine and 120 cystosine bases. The total number of nucleotide in this DNA segment is :
	(A) 480 (B) 60 (C) 240 (D) 120
43.	Two daughter cells formed during mitosis contain:  (A) Same amount of DNA and the same set of chromosomes as those of the parent.  (B) Same amount of DNA but a set of chromosomes different from those of the parent cell.  (C) Double the amount of DNA and the set of chromosomes different from those of the parent cell.  (D) Half the amount of DNA and same set of chromosomes as those of the parent cell.
44.	In higher plants Chromosomes are made up of :  (A) DNA only (B) DNA + histones (C) DNA + RNA (D) DNA + pectines
45.	A homozygous plant having red flowers is crossed with a homozygous plant bearing white flowers, the offspring are:
	(A) All with red flowers (B) All with white flowers
	(C) Half with white flowers (D) Half with red flowers
46.	The term mutation was introduced by :
	(A) Darwin (B) Mendel (C) Hugo de vries (D) Lamark
47.	Which of the following is true for Reverse transcriptase?  (A) DNA dependant DNA polymerase (B) DNA dependant RNA polymerase (C) RNA dependant DNA polymerase
	(D) RNA dependant RNA polymerase

48.	Aggreg	vate fruit differ	from	simple fru	it hece	mee it	develops from		
		Multicarpellary				iuse it	develops from		
		Multicarpellary	*	*	ary				
	E	Multicarpellary			100				
			-	rpous ova	ry				
	(D) V	Vhole infloresco	ence						
49.		e plants the me family :	chani	sm of seed	dispe	rsal is	by censor mech	nanism,	the plants below
	(A) N	Malvaceae	(B)	Papilonia	iceae	(C)	Papaveraceae	(D)	Boraginaceae
50.	Concer	ntric amphicriba	al vas	cular bund	lle is tl	hat in	which:		
		entrally located							
		ylem is flanked				-			
		hloem is flanke					-		
		Centrally located							
			,			-, p.			
51.	In which	ch type of graft	ing m	any scions	are se	lected	1?		
		Frown grafting	0	,	(B)		ge grafting		
		ud grafting			(D)		roach grafting		
	(-)	an brunning			(0)	Tipp	rouch granting		
52.	Polvem	abryony was fir	st disc	covered in	orange	bees e	s by ·		
		obert Brown		Winkler	Orang		Leeuwenhock	(D)	Linnaeus
	(6-2)		(2)	THATCI		(0)	Lecawermock	(0)	Littiacus
53.	What is	s the type of ov	ule in	which the	funici	ilus is	large, long and	coiled	around the ovul
		anatropous ovu		Willett tite	(B)		nianatropous ov		around the ovu
		Campylotropous		9	100		inotropous ovul		
	(0)	amp) tottopout	ovai		(0)	Circi	inodropous ovu	ic .	
54.	The typ	oe of fruit in Pi	neapp	le is :					
		Caryopsis	(B)	Sorosis		(C)	Syconus	(D)	Simple fleshy
55.	In Ang	iosperm of the	endos	perm of se	ed is	levelo	ps from:		Contract 1 1 3
	(A) T	etraploid nucle	us		(B)	Trip	loid nucleus		
	(C) D	piploid nucleus			(D)	Hap	loid nucleus		
56.	Which	of the followin	g is n	ot properly	matc	hed?			
	(A) A	anther culture		- Haj	oloid p	lants			
	(B) S	omatic embryo		- Em	bryo p	roduce	ed from somation	cells	
	(C) C	ytokinin					n callus		
	(D) A	all the above							
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57.	Which one of the following statement is correct?	
	(A) Extensive use of chemical fertilizers may lead to eutrophication of nearby water bod	lies.
	(B) At present it is not possible to grow maize without chemical fertilizers.	
	(C) Cyanobacteria such as Anabaena and Nostoc are important mobilisers of phospha	ates
	and for plant nutrition in soil.	
	(D) Both Azatobacter and Rhizobium fix atmospheric nitrogen in root nodules of plants	-
58.	Select the wrong pair from the following :	
	(A) Nuclear power - radioactive wastes	
	(B) Solar energy - greenhouse effect	
	(C) Biomass burning - release of CO <sub>2</sub>	
	(D) Fossil fuel burning - release of CO <sub>2</sub>	
	Manager and Laborator	
59.	Select the incorrect statement.	
	(A) Stellar's sea cow and passenger pegion got extinct due to over exploitation by man	n.
	(B) Lantana and Eichhornia are invasive weed species in India.	
	(C) The histological convention on biological diversity was held in 1992.	
	(D) Species diversity increases as we move away from equator towards the pole.	
60.	Beta diversity refers to :	
	(A) Diversity within a population (B) Diversity between Eco zones	
	(C) Diversity between communities (D) Diversity within a community	
	SUBBOURL (Characteristics of Control of Cont	
61.	Among the following which Organisms are associated with first and third trophic level	?
ob- of	(A) Phytoplanktons (B) Macrophytes	
	(C) Insectivorous plants (D) Chemoautotrophs	
62.	Acacia, Capparis, Prosopis are examples of tropical :	
02.	(A) Grasslands (B) Thorn forests	
	(C) Evergreen forests (D) Deciduous forests	
	The state of the s	
63.	Howard Florey and Ernst Chain's contribution was :	
	(A) Isolating the bacterial plasmid	
	(B) Discovery of streptokinase	
	(C) Establishing the potential of penicillin as an effective antibiotic	
	(D) Discovery of DNA sequence	
64.	Second generation vaccines are prepared by recombinant DNA technology. Which or	at of
0 21	the following are the examples of such vaccines ?	
	(A) Herpes virus vaccine (B) Hepatitis B virus vaccine	
	(C) Both (A) and (B) (D) None of the above	
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65.	Galic	acid used in making ink is obt	ained fro	m:	
	(A)	Penicillium purpurogenum	(B)	Aspergillus niger	
	(C)	Lactobacillus bulgaricus	(D)	Streptococcus lactis	
66.	Whic	h among the following is the t			
7	(A)	Penicillium notatum restrict the			
	(B)	Saccharomyces cerevisiae is used			
	(C)	Methanogens are found in ae		ditions.	
	(D)	Acetobacter aceti produces citr	ic acid.		
67.		rus infected plants the meriste because :	matic tiss	ues in both apical and axillary b	uds are free
	(A)	Virus cannot multiply within	meristen	cells	
	(B)	Meristems have antiviral com-	ponents		
	(C)	Dividing cells are virus resista	nnt		
	(D)	Cell division of meristem are	faster tha	in the rate of viral multiplication	
68.	Selec	t the correct statements.			
	(a)			or allelic frequency in future ge	
	(b)			lation will lead to Hardy-Weinber	
	(c)	When more individuals of a disruption.	populati	on acquire a mean character val	ue, it is calle
	(d)	Increase in melanised moths a selection.	fter indu	strialization in Great Britain is a p	roof for natur
	(A)	(d) alone is correct	(B)	(a) alone is correct	
	(C)	(a) and (c) are correct	(D)	(a) and (d) are correct	
69.	A bl	ue green algae which is 2.9 bill	ion years	old is the oldest fossil record fro	m India. It is
	(A)	Archaeopteryx	(B)	Archaeospheroides	
	(C)	Chlamydomonas	(D)	Oscillatoria	
70.	Euka	aryotic and Prokaryotic genom			
	(A)	DNA is circular and single st			
	(B)	DNA is complexed with hist			
	(C)	Genes in the former case are			
	(D)	Repetative sequences are pre	sent in e	ikaryotes.	
74		Til Til	T. T.	- to be an example for a	
71.		Escultative mutualism		Obligate mutualism	
		Facultative mutualism			
	(C)	Commensalism	(D)	Amensalism	
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(A (B) (C) (D	50% haemophilic colour blind sons No sons and daughters haemophilic 50% haemophilic daughters (carrier	and and and	d colour blind. 150% normal sons. d colour blind.	
(B) (C) (D) 73. Th	50% haemophilic colour blind sons No sons and daughters haemophilic 50% haemophilic daughters (carrier	and	1 50% normal sons. id colour blind.	
(C) (D) <b>73.</b> Th	No sons and daughters haemophilic 50% haemophilic daughters (carrier	c an	d colour blind.	
73. Th	) 50% haemophilic daughters (carrier			
(A			nd 50% colour blind	daughters (carrier).
	e variability of a seed is tested by :			
(77)	) 2, 5-triphenyl tetrazolium chloride			
(B)				
(C	) DMSO			
	) IAA			
	a plant produces flowers when expose nours dark, in a 24 hour cycle then the			riods of 5 hours light and
(A	) Long day plant (1	B)	Short day plant	
(C	) Day neutral plant (	D)	None of the above	
75. Se	lect the incorrect statement.			
(A	) Succinyl CoA takes part in synthesi	is of	pyrrole compounds	and the second second
(B)	Respiratory substrate is formed by l	hyd	rolysis of starch or su	acrose.
(C	) In the preparatory phase of glyco 3-phosphate.	olysi	is glucose is broken	down to glyceraldehyde
(D	Citric acid is the first product of Kro	reb's	cycle.	
76. Th	ne term guttation was coined by :			
: = (A	) Bergerstein (B) Kramer		(C) Priestley	(D) Stephen Hales
	CO <sub>2</sub> concentration suddenly increas	ses a	around the leaf, one	e of the following events
(A	<ul> <li>Decrease in transpiration due to su</li> </ul>	ıdde	n closure of stomata	
(B	) Transpiration will not be affected			
(C	) Stomata open gradually			
(D	) Stomata open suddenly			
	oll P has OP = 12 atm and TP = 6 atm; ce water will be:	ell Q	has OP=8 atm and	TP=4 atm. The movement
(A	From P to Q	(B)	Exosmosis	
(C	From Q to P	(D)	No net movement	
		7.7		004/2016
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7	9. Sch	Protion is f						
	(A)	Protium is formed under unfavo	ourable	e co	nditions by :			
	(C)		(	B)	Thickening of sporangium	n		
	(C)	Rounding of Myxamoebae	(	D)	Rounding of Plasmodium			
8	Binomial nomenclature was mentioned for the first time in the book :  (A) Historia plant.							
	(A)	Historia plantarum	(1	R)	Systema Naturae			
	(C)		(1	D)	None of these			
81								
	(A)	Karyotaxonomy	to be	10	much importance in :			
		Biochemical taxonomy	(1)	5)	Chemotaxonomy			
	(-)	and taxonomy	(1	))	Numerical taxonomy			
82.	are correct definition.							
	(A)	Pedology : It is the study	y of ad	lapt	ations			
	(B)	Ecotone : It is the regul	ation	of o	rganisms behaviour.			
		Syffectiogy: Interrelations	hip of	the	organisms of a species in a			
	(D)	Autecology: Interrelations	hip of	an	organism to environment.	given enviror		
83.	Mon	Montreal protocol deals with :						
	(A)	Use for alternatives of CFC						
	(B)	Limiting the use of ODS						
	(C)	Reducing green house gas emis	nion					
	(D)	Both (A) and (B)	sion					
		Mark as a line of the second						
84.	The fi	anction of filiform apparatus is	to:					
	(A)	Produce nectar	(B)	S	timulate division of genera			
	(C)	Guide the entry of pollen tube	(D)	R	ecognise the suitable poller	tive cell at the stign		
85.	Molec	Molecular formula of "Chlorophyll a" is:						
	(A) (	C <sub>55</sub> H <sub>70</sub> O <sub>5</sub> N <sub>4</sub> Mg	(B)	-	TI C N			
	(C) (	55 H <sub>72</sub> O <sub>4</sub> N <sub>4</sub> Mg		0	55 H <sub>72</sub> O <sub>5</sub> N <sub>4</sub> Mg			
				-	<sub>55</sub> H <sub>70</sub> O <sub>6</sub> N <sub>4</sub> Mg			
86.	Select	Select the immobile element in plants.						
	(A) S	ulphur (B) Potassium		(C	Phosphorus (D)	Magnesium		
87.	Chlore	Chlorenchyma is known to develop in the :						
	(A) Spore careed - 6							
	(C) P	ollen tube of Pinus	(D)	Pe	toplasm of Chlorella tiole of Canna			
			(-)	16	dole of Canna			
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88.	Prokaryotic organisms 4 11 6 4								
	Prokaryotic organisms devoid of cell wall are :  (A) Cyanobacteria (B) Bacteria (C) Mycoplasma (D) Actinomycetes								
89.	Read the following statements and select the correct option:  (a) Tapetum nourishes the developing pollen grains.  (b) Hilum represents the junction between ovule and funicle.  (c) In water Hyacinth and water Lilly, pollination is by water.  (d) The Primary endosperm nucleus is triploid.								
	<ul> <li>(A) (a) and (d) are correct, but (b) and (c) are incorrect</li> <li>(B) (a) and (b) are correct, but (c) and (d) are incorrect</li> <li>(C) (b), (c) and (d) are correct, but (a) is incorrect</li> <li>(D) (a), (b) and (d) are correct, but (c) is incorrect</li> </ul>								
90.	Delphinium, Anemone and Aquelegia are grown as ornamentals, belongs to the family:  (A) Rhamnaceae (B) Euphorbiaceae (C) Ranunculaceae (D) Magnoliaceae								
91.	The plane of cell wall formation in a dividing cell is determined by :  (A) Endoplasmic reticulum (B) Microfilaments  (C) Golgi apparatus (D) Microtubules								
92.	The book on "Diversity of life" was written by :  (A) Linnaeus (B) E.O. Wilson (C) Charles Darwin (D) Aldo Leopold								
93.	The binary name in which the specific epithet exactly repeats the generic name is called:  (A) Tautonym  (B) Autonym  (C) Basionym  (D) Homonym								
94.	A syntype is:  (A) Specimens used by the author as a nomenclatural type  (B) Anyone of two or more specimens cited by the author when no holotype was designated  (C) Any duplicate of the holotype  (D) Specimen cited in the protologue other than the holotype								
5.	Succession in acidic water or acidic soil is called:  (A) Mesosere (B) Halosere (C) Oxylosere (D) Acidosere								
6.	Different pollination mechanism in plants are given below. Which among the following is incorrect?  (A) Flap trap mechanism - Aristolochia (B) Trap door mechanism - Ficus								
	(C) Bristle mechanism - Pinguiculaalpina (D) Lever mechanism - White centaurea								

97.	Developmental sequence of male gametophyte is given. Select the correct sequence.						
	<ul> <li>(A) Sporogenous tissue → pollen mother cell → microspore tetrad → male gamete → pollen grain.</li> </ul>	en					
	(B) Sporogenous tissue → microspore tetrad → pollen mother cell → male gamete → pollen grain.	en					
	(C) Sporogenous tissue → pollen mother cell → microspore tetrad → pollen grain → magamete.	ale					
	(D) Sporogenous tissue → pollen mother cell → pollen grain → microspore tetrad → magamete.	de					
98.	Killinga monocephala belongs to the family:						
	(A) Cyperaeae (B) Poaceae (C) Celastraceae (D) Caryophyllacea	ae					
99.	Which one of the following statement is not true for Bryophytes?						
	(A) They lack tracheids and sieve tube						
	B) They undergo meiosis to produce sporophyte						
	C) They are photosynthetic gametophyte						
	D) Their spore germinate to produce gametophyte						
100.	Which of the following is not an essential element for plants?						
	A) Aluminium (B) Zinc (C) Copper (D) Iron						
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