Volume 1 - One Mark Questions with Answer Key

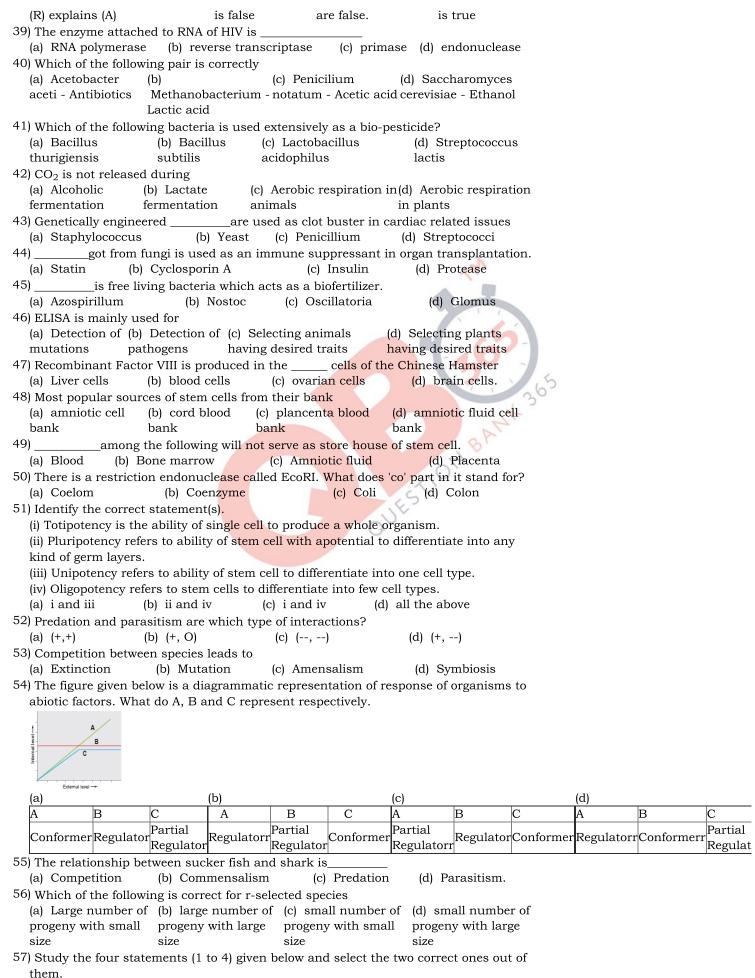
12th Standard

Biology

1) In which type of parthenogenesis are only males produced? (d) Both a and b (a) Arrhenotoky (b) Thelytoky (c) Amphitoky 2) In which mode of reproduction variations are seen (a) Asexual (b) Parthenogenesis (d) Both a and b (c) Sexual 3) This is the sexual union of young individuals produced immediately after the division of the adult parent cell by mitosis. (a) Paedogamy (b) Hologamy (c) Merogamy (d) Anisogamy 4) Paedogenetic parthenogenesis is seen in (a) planula larvae of (b) Cydippid larvae of (c) Redia larvae (d) Trochophore larvae enidarians pleurobranchia ofliver fluke of Annelids 5) Identify the correct option to label the diagram 1 - Archaeocytes 2 - Inner membrane 3 - Micropyle 4 - Outer membrane 5 - Monaxonspicules (a) 1-A 2-D 3-B 4-C (b) 1-C 2-B 3-A 4-E (c) 1-D 2-E 3-B 4-C (d) 1-A 2-E 3-D 4-B 5-E 5-A 5-C 6) Which of the following types of asexual reproduction is noticed in Amoeba? (a) Sporulation (b) Encystment (c) Binary fission (d) All the above 7) The male sex hormone testosterone is secreted from (a) Sertoli cells (b) Leydig cell (c) Epididymis (d) Prostate gland 8) The foetal membrane that forms the basis of the umbilical cord is (a) Allantois (b) Amnion (c) Chorion (d) Yolk sac _ is popularly known as sperm lysin. (b) Hyaluronidase (a) Inhibitin (c) Androgen (d) Acrosome is not linked to polymenorrhoea (a) Shorter cycle (b) Gland activity (c) Malnutrition (d) Pain 11) Expulsion of baby from the mother's womb is called (c) insemination (a) implementation (b) parturition (d) gestation 12) Which of the following is correct regarding HIV, hepatitis B, gonorrhoea and trichomoniasis? (a) Gonorrhoea is (b) Trichomoniasis is a (c) HIV is a (d) Hepatitis B is a STD whereas viral disease whereas pathogen whereas eradicated completely others are not. others are bacterial. others are whereas others are not. diseases. 13) Which one of the following groups includes sexually transmitted diseases caused by bacteria only? (a) Syphilis, (b) Syphilis, (c) Syphilis, (d) Syphilis, gonorrhoea and chlamydiasis and gonorrhoea and trichomoniasis and candidiasis gonorrhoea pediculosis trichomoniasis 14) Select the incorrect action of hormonal contraceptive pills from the following (c) Changes in cervical mucus (d) Alteration in uterine (a) Inhibition of (b) spermatogenesis. Inhibitionimpairing its ability to allow endometrium to make it of passage and transport of unsuitable for ovulation sperms implantation 15) is a condition in which there is absence of spermatozoa in the ejaculate serum (a) teratozoospermia (b) Asthenozoospermia (c) Oligozoospermia (d) Azoospermia 16) Which of the following is Not a natural contraceptive?

(a) Rhythm	(b) Lactational	(c)	(d) Continuous				
method	amenorrhoea	Progestasert	abstinence				
	17) ABO blood group in man is controlled by						
· · · · -		c) Sex linked gene	s (d) Y-linked genes				
	lowing is not correct?						
(a) Three or more	e alleles (b) A normal gen		(d) A diploid organism				
of a trait in the	undergoes	alleles map at	has only two alleles out				
population are ca	alled mutations to form	n different loci of a	a of many in the				
multiple alleles	many alleles	chromosome	population				
19) If the childs bloc	od group is 'O' and fathers	s blood group is 'A'	and mother's blood group				
	e of the parents will be	0 1					
(a) I ^A I ^A and I ^B I ^o		(c) I ^A I ^o and I ^o I ^o	(d) $ m I^o I^o$ and $ m I^B$ $ m I^B$				
` '	irst reported by John Cot	` '	(4) 11 011011 1				
			ndness (d) Haplodiploidy				
	osition of centromere and	_	wo arms numan				
	n be classified into		(1) 5				
(a) 2	(b) 3	(c) 4	(d) 5				
_	of ABO blood group are $_$						
(a) Co-dominant			-				
23) Hershey and Ch	ase experiment with bact	eriophage showed	that				
(a) Protein gets i	nto (b) DNA is the	(c) DNA contains	(d) Viruses undergo				
the bacterial cells	s genetic material	radioactive sulphu	r transformation				
24) Which of the following	lowing statements about l	DNA replication is:	not correct?				
(a) Unwinding of	(b) Replication (c) F	Process is <mark>know</mark> n as	s semi (d)				
DNA molecule	occurs as each cons	ervativ <mark>e replic</mark> ation	Complementary				
occurs as	base is paired with beca	use one old strand					
hydrogen bonds	another exactly like cons		together with				
break.	-	cule.	hydrogen bonds				
25) One difference b	etween deoxyribose and l		V - V				
(a) One Oxygen	(b) Two Oxygen atom						
. ,	ooseless in Deoxyribose		bose atoms more in Ribose				
			The second secon				
26) Identify the prop	per sequence in the organ	izatio <mark>n of eukaryo</mark> t	ic chromosome.				
26) Identify the prop (a) Nucleosome -	per sequence in <mark>the o</mark> rgan (b) Chrom <mark>atid -</mark>	izatio <mark>n of eukaryo</mark> t (c) Solenoid -	ic chromosome. (d) Nucleosome -				
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26) Identify the property (a) Nucleosome - Solenoid - Chrom 27) How many struct (a) 4 28) Evolutionary his (a) ancestry 29) Which period was (a) Permian 30) Modern man best (a) Quaternary 31) According to New to all. Except. (a) Natural select 32) Who believed the the origin of new (a) Sewell Wright 33) Exo-erythrocytic (a) RBC (34) Cirrhosis of liver (a) Opium 35) Allergy involves (a) IgE 36) is a carriful (a) House fly 37) is a DNA (a) Rubella	cer sequence in the organ (b) Chromatid - (b) Chromatid - (c) Chromatid - (d) Chromatid - (d) Chromatid - (e) Chromatid - (f) Chromatid - (h) Chromatid - (h) Great County (c) (h) Chromatid - (h) Mutation (chromatic - (h) Lamarck and Darwer - (h) Lamarck and Darwer - (h) Leucocytes (h) Leucocytes (h) Leucocytes (h) Leucocytes (h) Leucocytes (h) Chromatid - (h) Chromatid - (h) Leucocytes (h) Chromatid - (h) Leucocytes (h) Chromatid - (h) Leucocytes (h) Alcohol (h) Leucocytes (h) Mosquito (h) Mosquito (h) Mosquito	ization of eukaryot (c) Solenoid - noid chromatin - Di n lac operon of E.Co (c) 2 lled phylogeny Devonian (c) Silurian ne frequency of geno c) Struggle for exist of all variations are in (c) Huxley (d nm takes place in _ (c) Stomach ake of (c) Tobacco (c) lgA oeba (c) Sand fly (c) Polio	ic chromosome. (d) Nucleosome - NA solenoid - genophore oli? (d) 1 (d) paleontology (d) Ordovician (d) Cambrian es in population arise due tence (d) Variation e the causative factor in) Simpson and Haeckel (d) Liver (d) Cocaine (d) IgM (d) Tsetse fly				
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QB365

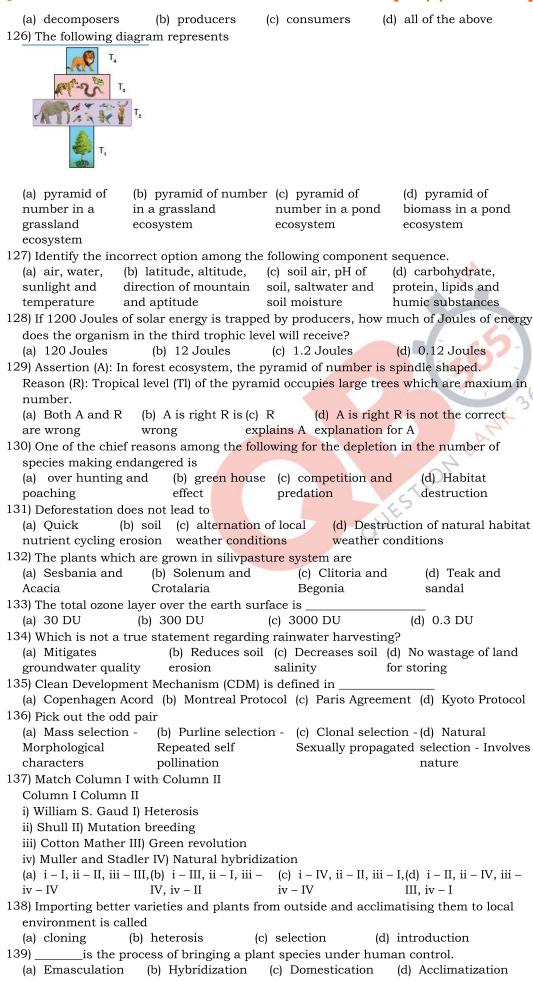


1) A lion eating a deer and a sparrow feeding on grain are ecologically similar in being				
consumers.				
Predator starfish Pisaster helps in maintaining species diversity of some invertebrates.				
3) Predators ultimately lead to the extinction of prey species.				
4) Production of chemicals such as nicotine, strychnine by the plants is disordered.				
The two correct statements are				
(a) (2) and (3) (b) (3) and (4) (c) (1) and (4) (d) (1) and (2)				
58) Locomotory speed of an organism changes due to light. This phenomenon is referred				
as				
(a) Photonasty (b) Photokinesis (c) Phototropism (d) Phototaxis				
59) Identify the incorrect statement				
(a) Water is a (b) Water has less (c) Water is (d) When freezes				
universal solvent surface tension heavier than air water contracts 60) Assertion (A): Snake is a stenotherm.				
Reason (R): Organism can tolerate narrow temperature fluctuations				
(a) Both A and R are (b) A is correct R is (c) R does not (d) Both A and R are				
correct R explain A incorrect explain A incorrect				
61) Pick out the correct statement regarding K-selected species				
(a) Produce many (b) Only few reach (c) Unstable (d) Long life				
offsprings adulthood environment expectancy				
62) Which one of the following is not coming under insitu conservation				
(a) Sanctuaries (b) Natural parks (c) Zoological park (d) Biosphere reserve				
63) Which of the following is considered a hotspots of biodiversity in India (a) Western ghats (b) Indo-gangetic plain (c) Eastern Himalayas (d) A and C				
(a) Western ghats (b) Indo-gangetic plain (c) Eastern Himalayas (d) A and C 64) The organization which published the red list of species is				
(a) WWF (b) IUCN (c) ZSI (d) UNEP				
65) is not a exotic species.				
(a) Amazon sailfin catfish (b) Mealy Bug (c) Narcondam horn bills (d) Achatina fulica				
66) Death of population is attributed to the medicine Diclofenac.				
(a) Sparrow (b) Squ <mark>irrel (c) Vulture (d) deer</mark>				
67) Which of the following denotion is correct regarding increasing diversity?				
(a) Poles < Equator (b) Equator < Pole (c) Pole = Equator (d) Latitude = Longitude				
68) Tilapia fish (Oreoehromis mosambieus) is exotic breed from				
(a) Mexico (b) South Africa (c) Canada (d) Central America 69) With which of the following, the Agenda 21' of Rio Summit, 1992 is related to?				
(a) (b) Combating (c) Mitigation norms of (d) Technology transfer				
Sustainable the consequences Green House Gases mechanism to developing				
development of population (GHGs) emission countries for 'clean-energy'				
production				
70) The 'thickness' of Stratospheric Ozone layer is measured in/on:				
(a) Sieverts units (b) Dobson units (c) Melson units (d) Beaufort Scale				
71) As per 2017 statistics, the highest per capita emitter of Carbon dioxide in the world is				
(a) USA (b) China (c) Qatar (d) Saudi Arabia 72) In the E- waste generated by the Mobile Phones, which among the following metal is				
most abundant?				
(a) Copper (b) Silver (c) Palladium (d) Gold				
73) PCB is a major component of				
(a) e-waste (b) Agro waste (c) sewage (d) Plastics				
74)are the major causes of CO polution in large cities and towns.				
(a) Fossil fuels (b) Ocean (c) Deforestation (d) Automobiles				
75) 4 1: 4 : 11 4: 1 0000 41 : 111 1 1 6 : 1				
75) According to noise pollution rules 2000, the permissible level of noise in commercial				
area is during day andduring nitght				
area is during day and during nitght (a) 55 db, 65 db (b) 65 db, 55 db (c) 70 db, 60 db (d) 75 db, 65 db				
area is during day and during nitght (a) 55 db, 65 db (b) 65 db, 55 db (c) 70 db, 60 db (d) 75 db, 65 db 76) Which is not a method of disposal of radioactive waste.				
area is during day andduring nitght (a) 55 db, 65 db (b) 65 db, 55 db (c) 70 db, 60 db (d) 75 db, 65 db 76) Which is not a method of disposal of radioactive waste. (a) Dilute and dispense (b) Delay and decay (c) Recycle and reuse (d) Limit generation				
area is during day and during nitght (a) 55 db, 65 db (b) 65 db, 55 db (c) 70 db, 60 db (d) 75 db, 65 db 76) Which is not a method of disposal of radioactive waste. (a) Dilute and dispense (b) Delay and decay (c) Recycle and reuse (d) Limit generation 77) BOD stands for				
area is during day andduring nitght (a) 55 db, 65 db (b) 65 db, 55 db (c) 70 db, 60 db (d) 75 db, 65 db 76) Which is not a method of disposal of radioactive waste. (a) Dilute and dispense (b) Delay and decay (c) Recycle and reuse (d) Limit generation				
area is during day and during nitght (a) 55 db, 65 db (b) 65 db, 55 db (c) 70 db, 60 db (d) 75 db, 65 db 76) Which is not a method of disposal of radioactive waste. (a) Dilute and dispense (b) Delay and decay (c) Recycle and reuse (d) Limit generation 77) BOD stands for (a) Biological (b) Biotic Oxygen (c) Biological (d) Biochemical				

79) Size of pollen grain in Myosotis	
(a) 10 micrometer (b) 20 micrometer (c) 20	00 micrometer (d) 2000 micrometer
80) Match the following	
I) External fertilization i) pollen grain	
II) Androecium ii)anther wall	
III) Male gametophyte iii)algae	
IV) Primary parietal layer iv)stamens	
	I :::.II :III :: IX7 : (4) I :::.II :IX7 ::
(a) I-iv;II-i;III-ii;IV-iii (b) I-iii;II-iv;III-i;IV-ii (c)	
81) A Plant called X possesses small flower with r	educed perianth and versatile anther.
The probable agent for pollination would be	
(a) water (b) air (c) butterflie	es (d) beetles
82) Parthenocarpic fruits lack	
(a) Endocarp (b) Epicarp	(c) Mesocarp (d) seed
83) Innermost layer of anther wall is	
(a) Endothecium (b) Endothecum	(c) Endothelium (d) Tapetum
84) Select the wrong statement(s) regarding cross	
(a) Pollination depends on external agent and s	The state of the s
(b) New varieties are produced.	
(c) Continuous cross-pollination leads to weak	er nrogeny
(d) Germination capacity is highly declined.	er progerry.
(a) a and d (b) b and c (c) a, b	pand d (d) a, c and d
85) Generally, the pollen grains are liberated from	
	6-celled stage (d) 8-celled stage
86) Identify the incorrect statement.	
(a) One seeded fruit (b) Primitive root (c) So	
	of mono cot the cotyledon is epicotyl.
coleorhiza. seed.	O.E.
87) Which of the following post fertilization chang	
	(c) Nucellus - Testa (d) Funicle -
Endosperms Dege <mark>nerate</mark> s	and tegma Seed stalk
88) In Mendel's experiments with garden pea, rou	nd seed shape (RR) was dominant over
wrinkled seeds (rr), yellow cotyle <mark>don (Y</mark> Y) was d	l <mark>ominant ove</mark> r green cotyledon (yy). What
are the expected phenotypes in the F2 generati	
(a) Only round (b) Only wrinkled (c) Only w	
seeds with green seeds with yellow seeds with	The state of the s
cotyledons cotyledons cotyledons	-
89) Select the correct statement from the ones giv	
	nes far apart (d) Genes loosely linked on
genes on the same genes on the same on the	
chromosomes show chromosomes show chrom	
very few higher very fe	
· ·	binations tightly linked ones
	biliations digitaly infact offics
90) Fruit colour in squash is an example of (a) Recessive (b) Dominant (c)	Complementary (d) Inhibitory
1	nes genes
91) In a test cross involving F1 dihybrid flies, mor	
than the recombination type offspring. This inc	
(a) The two genes (b) Chromosomes (c) The	, ,
are located on two failed to separate linked	_
	me chromosome controlled by more
chromosomes	than one gene
92) Which of the following explains how progeny of	can posses the combinations of traits
that none of the parent possessed?	
(a) Law of (b) Chromosome (c) Law of	of independent (d) Polygenic
segregation theory assortme	ent inheritance
93) The dominant epistatis ratio is	
(a) 9:3:3:1 (b) 12:3:1	(c) 9:3:4 (d) 9:6:1
94) Which is not a correct statement?	
(A) Variations are the raw materials for evolution	on
(B) Variations provide genetic material for natu	
(-,	/-

(C) It helps the individual to adapt to the chang	9
(b) Variations allow breeders to improve the cro	
(a) A and D (b) B only (c) C and D	(d) none of he above
95) Gregor Mendel	
(i) was born in Czechoslovakia	
(ii) did his experiments in Pisum fulvum	
(iii) was the first systemic researcher in genetics (iv) Published his results in the paper "Experimental Properties of the paper" (iii) was the first systemic researcher in genetics	
correct correct correct	
96) Identify the wrong statement(s)	Correct
(i) Monohybrid cross involves the inheritance of	two alleles of a gene
(ii) The dwarf traits reappeared in F2	two ancies of a gene
(iii) Law of dominance was proved by monohybr	id cross
(iv) F 1 monohybrid was an heterozygous	14 01000
(a) i and ii (b) iii and iv (c) i only	(d) none of the above
97) According to Mendel which character shown do	
(a) Yellow flower color (b) Yellow cotyledon colo	
98) Factor hypothesis was proposed by	
	Gregor Mendel (d) Carl Correns
99) The 1:2:1 ratio of co-dominance process Mer	ndel's
(a) Law of (b) Law of (c) Law of	of (d) Law of independent
dominance recessiveness segregati	ion assortment
100) Genes G S L H are located on same chromoso	me. The recombination percentage is
between L and G is 15%, S and L is 50%, H and	S are 20%. The correct order of genes
is	74
	SGHL (d) HSLG
101) The point mutation sequence for transition, t	ransition, transversion and
transversion in DNA are	04
(a) A to T, T to A, C (b) A to G, C to T, C (c) (
	and G to A to A and C to G
102) Assertion (A): Gamma rays are generally use	
Reason (R): Because they carry lower energy to	
(a) A is correct. R is (b) A is correct. R is no	
correct explanation of A correct explanation of A	
103) Name the scientist(s) who rediscovered the M	endelian work?
(i) Hugo de Vries	
(ii) Carl Correns	
(iii) Tschermak (iv) T.H. Morgan	
(a) i and iv (b) i, ii and iv (c) i, ii	and iii (d) ii, iii and iv
104) Pick out the co-mutagen from the following:	and in (d) ii, iii and iv
(a) Eosin (b) Mustard gas (c) Ascor	bic acid (d) Nitrous acid
105) Which one of the following ploidy is irrelevant	• •
	trasomy (d) Pentasomy
106) Consider the following statements:	(a) Tentasoniy
I. Recombinant DNA technology is popularly kn	own as genetic engineering is a stream
of biotechnology which deals with the manipula	
II. pBR322 is the first artificial cloning vector de	
Rodriguez from E.coli plasmid	overeped in 13.1. Sy Denver diad
III. Restriction enzymes belongs to a classof enz	vmes called nucleases.
C hoose the correct option regarding above stat	=
	ements
(a) I & II (b) I & III (c) II &	
(a) I & II (b) I & III (c) II & 107) Column A Column B	III (d) I,II & III
(a) I & II (b) I & III (c) II & 107) Column A Column B	III (d) I,II & III osphate
(a) I & II (b) I & III (c) II & 107) Column A Column B 1 Exonuclease a. add or remove photos	III (d) I,II & III osphate fragments
(a) I & II (b) I & III (c) II & 107) Column A Column B 1 Exonuclease a. add or remove phosphology and the DNA for	osphate ragments
(a) I & II (b) I & III (c) II & 107) Column A Column B 1 Exonuclease a. add or remove phosphatase b. binding the DNA at terms of the column B column B and the colum	osphate ragments
(a) I & II (b) I & III (c) II & 107) Column A Column B 1 Exonuclease a. add or remove phosphatase c. cut the DNA at terms d. cut the DNA at minus column B 2 Endonuclease b. binding the DNA at terms d. cut the DNA at terms d. cut the DNA at minus column and the DNA at minus column	osphate ragments

(a) Ti plasmid	(b) Multiple	, ,	(d) Polylactic acid is a kind
causes the	cloning site is	transfection of	of biodegradable and
bunchy top	known as	Nucleic acid in cell	bioactive thermoplastic.
disease	Polylinker		
109) Cohesive ends			
(a) Blunt ends	(b) Flush ends	` '	(d) Symmetric cuts
	=	artificial lipoprotein ves	sicles.
Statement 2: Lij		used in gene transfer.	
(a) Statement 1	` '		* *
correct and Stat	tement 2 correct an	id Statement statemen	
is also correct.	2 is incorr	rect. incorrect.	Statement 2 is correct
111) Assertion (A):	DMH -11 is a tran	sgenic mustard.	
Reason (R): It is	developed by usin	g bamase/ barstar tech	nnology.
(a) Both A and	R are (b) A is right	t R is (c) R (d)	A and R are right, R does no
wrong.	wrong.	explains A. exp	lain A.
112) The time dura	ation for sterilizatio	n process by using aut	oclave is minutes and
the temperature	e is		1/2V
(a) 10 to 30 min	nutes (b) 15 to 30	minutes (c) 15 to 20 m	ninutes (d) 10 to 20 minutes
and 125° C	and 121° C	and 125° C	and 121° C
113) Virus free pla	nts are developed f	rom	
(a) Organ	(b) Meristem	(c) Protoplast	(d) Cell suspension
culture	culture	culture	culture
114) Cryopreservat	tion means it is a p	rocess to preserve plan	it cells, tissues or organs
(a) at very low	(b) at very high	(c) at very low	(d) at very low
temperature by	temperature by	using temperature of -1	196 <mark>by tempe</mark> rature by usin
using ether.	liquid nitrogen	using liquid nitro	og <mark>en liquid ni</mark> trogen
115) The production	on of secondary me	tabolites require the us	se of
(a) Protoplast	(b) Organ	(c) Cell suspension	(d) Virus free germ
culture	culture	culture	culture
116) Identify the w	rong statement:		,0,
		c embryos(c) Period of	(d) Encapsulation of
stored for long t	ime are used fo	r artificial dormancy of	
under cryoprese	ervation seed prod <mark>u</mark>	ction artificial seed	ls is using cryoprotectant
		greatly reduc	ced
117) Identify the in	correct statement:		
(a) Explants are	e surface sterilized		
(b) Nutrient med	dia are autoclaved		
(c) Culture room	ns are UV radiated	for 15 minutes	
(d) Glasswares a	and accessories are	e autoclaved	
(a) a only	(b) b and c		one of the above
118) The phenome	non of reversion of	mature cells to meriste	ematic state leading to callus
formation is			_
(a) Redifferentia	ation (b) Dediffer	rentiation (c) either (a) or (b) (d) none of these
119) Which of the	given plant produc	es cardiac glycosides?	
(a) Calotropis	(b) Acacia	(c) Nepenthes	(d) Utricularia
	er environment lik	e pond, rooted autotrop	
(a) Nymphaea a			olffia and (d) Azolla and
typha	Utricularia	pistia	lemna
	Latitudes represen	t distance from the equ	ator.
		l level from longitude.	
(a) Statement 1	_	ment 1 is (c) Bo	th the (d) Both the
correct. Stateme		. Statement 2 is statem	` '
incorrect	correct	correct	
122) Utricularia is	а.		
		ed floating (c) Rooted s	ubmerged (d) Amphibious
hydrophyte	hydrophyte	hydrophyte	hydrophyte
123) Earth day is o		J o pJ	J <u>-</u> - - - - - - - - - -
(a) April 22 nd		(c) July 07 th	(d) September 16 th
–		ot a natural ecosystem	· · · =
		d (c) Grassland ecosys	
125) Ecosystem co		(3) 222222222	(3) 20201 00003 50011
, Leosystem CO			



		mato is controlled b	=	an ain	(d) Dagad	omonos
spec	Beauveria ies	(b) Trichoderma species	(c) Ac specie		(d) Pseud species	omonas
-		owing statements an	-		-	
i) Ce	reals are memb	pers of grass family.				
		grains come from m	-			
		d (b) Both (i) and (
	s wrong	are correct ables are important p	is corr		are w	rong
		are succulent struc			asant aro	ma and
flavo	_	are succulent struc	tures or pre	arto with pic	asair aro	ina ana
(a) A	Assertion is(b)	Assertion is(c) Both	are correct	t and (d)	Both are c	correct and
corre		ng, Reason reason i				the correct
		orrect explanat	tion for ass	ertion. expl	anation fo	or assertion.
wror	O	is coming under for	;1 ₊ ,			
	_	is coming under fam (b) Fabaceae (c	ny c) Dipteroca	ainaceae	(d) E	benaceae
` '		d Sorghum, etc., cor		-	` ,	
	-	belong to which of the				
			Leguminon		Caesalpi	inaeceae
145) Ide	entify the incor	rect statements:			-	-61
	=	d as potent hepatop				16
	-	sed as a strong anal	_	rgery.		3
		is used to cure skir		na hana fua	tumos	1 1
	assus quadran; a and c	gularis is widely use (b) a and d	(c) b a	_	tures. (d) a a	nd h
` '	entify the mism	• •	(e) b a	na c	(a) a a.	
	Holy basil	(b) Indian gooseber	ry - (c)	Vilvam -	(d) Veldt	grape - Cissus
- Oci	imum sanctum	Phyllanthus a <mark>maru</mark>	s Aeg	le marmelos	quadran	gularis
	ue about interf				110	
	t is synthetic	(b) It inhibits vira		It is specific		(d) It causes
	viral agent Cells are activa	replication in cell	s pai	rticular virus	3	infection
•	Cens are activa Complement	(b) Antibody	(c)	Interferon	(d)	Antigen
		ment is also known	` '		(31)	
	Opsonisation	(b) Precipitation		utination	(d) neu	tralisation
		lisappear by adultho				
(a) T	Tonsils (b) Peyer's patches	(0	c) Adenoids	(d) Spleen
		*****	*****	*****	***	
	Arrhenotoky					
	Sexual					
	Paedogamy Redia larvae ofli	vor fluko				
	1-D 2-E 3-B 4-C 5					
, , ,	All the above	, , , ,				
	Leydig cell					
	Allantois					
9) (b)	Hyaluronidase					
10)						
. ' '	Pain					
11) (b)	parturition					
12)	parturition					
,	HIV is a pathoge	n whereas others are di	seases.			
13)						
	Syphilis, chlamy	diasis and gonorrhoea				
14)						
(a) 15)	Inhibition of spe	ermatogenesis.				
,	Azoospermia					

16) (c) Progestasert 17) (a) Multiple alleles 18) (c) Multiple alleles map at different loci of a chromosome 19) (b) $I^A I^o$ and $I^B I^o$ 20) (b) Haemophilia 21) (c) 4 22) (a) Co-dominant 23) (b) DNA is the genetic material 24) (b) Replication occurs as each base is paired with another exactly like it 25) (a) One Oxygen atom more in Ribose 26) (a) Nucleosome - Solenoid - Chromatid 27) (b) 3 28) (c) phylogeny 29) (c) Devonian 30) (a) Quaternary 31) (c) Struggle for existence 32) (b) Lamarck and Darwin 33) (d) Liver 34) (b) Alcohol 35) (a) IgE 36) (a) House fly 37) (b) Varicella 38) (a) Both (A) and (R) are true. (R) explains (A) 39) (b) reverse transcriptase 40) (d) Saccharomyces cerevisiae - Ethanol 41) (a) Bacillus thurigiensis 42) (b) Lactate fermentation 43) (d) Streptococci 44) (b) Cyclosporin A 45) (a) Azospirillum 46) (a) Detection of mutations

(c) ovarian cells 48) (b) cord blood bank 49) (a) Blood 50) (c) Coli 51) (d) all the above 52) (d) (+, --) 53) (a) Extinction 54) (a) C В Conformer Regulator Partial Regulator (b) Commensalism 56) (a) Large number of progeny with small size 57) (d) (1) and (2) 58) (b) Photokinesis 59) (b) Water has less surface tension 60) (a) Both A and R are correct R explain A 61) (d) Long life expectancy 62) (c) Zoological park 63) (d) A and C 64) (b) IUCN 65) (c) Narcondam horn bills 66) (c) Vulture 67) (a) Poles < Equator 68) (b) South Africa 69) (a) Sustainable development 70) (b) Dobson units 71) (b) China 72) (a) Copper 73) (a) e-waste 74) (d) Automobiles 75) (b) 65 db, 55 db 76)

(c) Recycle and reuse

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(a) Biological Oxidation Demand
   (c) Rhizome - Musa
79)
   (a) 10 micrometer
80)
   (a) I-iv;II-i;III-ii;IV-iii
81)
   (b) air
82)
   (d) seed
83)
   (d) Tapetum
84)
   (d) a, c and d
85)
   (a) 2-celled stage
86)
   (b) Primitive root is called coleorhiza.
87)
   (c) Nucellus - Testa and tegma
                                                                  QUESTION BANK 365
88)
   (d) Round seeds with yellow cotyledons an wrinkled seeds with yellow cotyledons
89)
   (a) Tightly linked genes on the same chromosomes show very few combinations
90)
   (b) Dominant epistasis
91)
   (c) The two genes are linked and present on the some chromosome
92)
   (d) Polygenic inheritance
93)
   (b) 12:3:1
94)
   (d) none of he above
95)
   (c) (i), (iii), (iv) are correct
96)
   (d) none of the above
97)
   (d) Inflated pod
98)
   (b) W. Bateson
99)
   (b) Law of recessiveness
100)
   (b) SHGL
101)
   (b) A to G, C to T, C to G and T to A
102)
   (c) A is correct. R is wrong explanation of A
103)
   (c) i, ii and iii
104)
   (c) Ascorbic acid
105)
   (a) Monosomy
106)
   (d) I,II & III
107)
   (d) D) cdab
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108)
   (a) Ti plasmid causes the bunchy top disease
109)
   (c) Sticky ends
110)
   (d) Statement 1 is incorrect and Statement 2 is correct
111)
   (c) R explains A.
   (b) 15 to 30 minutes and 121° C
   (b) Meristem culture
114)
   (c) at very low temperature of -196 by using liquid nitrogen
115)
   (c) Cell suspension culture
116)
   (d) Encapsulation of embryoids is done using cryoprotectant
117)
   (d) none of the above
118)
   (b) Dedifferentiation
119)
   (a) Calotropis
120)
   (a) Nymphaea and typha
   (a) Statement 1 is correct. Statement 2 is incorrect
   (b) Submerged floating hydrophyte
123)
   (a) April 22<sup>nd</sup>
124)
   (b) Rice field
125)
   (d) all of the above
126)
   (c) pyramid of number in a pond ecosystem
127)
   (b) latitude, altitude, direction of mountain and aptitude
128)
   (c) 1.2 Joules
129)
   (b) A is right R is wrong
   (d) Habitat destruction
131)
   (a) Quick nutrient cycling
132)
   (a) Sesbania and Acacia
133)
   (b) 300 DU
134)
   (a) Mitigates groundwater quality
135)
   (d) Kyoto Protocol
136)
   (a) Mass selection - Morphological characters
137)
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(b) i - III, ii - I, iii - IV, iv - II

(d) introduction

138)

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https://www.qb365.in/materials/

139)

(c) Domestication

140)

(a) Beauveria species

141)

(b) Both (i) and (ii) are correct

142)

(c) Both are correct and reason is the correct explanation for assertion.

143)

(a) Lamiaceae

144)

(b) Poaceae

145)

(d) a and b

146)

(b) Indian gooseberry - Phyllanthus amarus

147)

(b) It inhibits viral replication in cells

148)

(d) Antigen

149)

(a) Opsonisation

150)

(c) Adenoids

