



NEET 2023

Questions, Answer Key & Solutions

Date: 07 May, 2023 | TIME: (02:00 PM to 05:20 PM)

Duration: 200 minutes (03 Hrs. 20 Min.) | Max. Marks: 720

Important Instructions: The Answer Sheet is inside this Test Booklet. When you are directed to open the Test Booklet, take out the Answer Sheet and fill in the particulars on OFFICE Copy carefully with blue/black ball point pen only. The test is of 3 hours 20 minutes duration and Test Booklet contains 200 multiple-choice questions (four options with a single correct answer) from Chemistry, Physics and Biology (Botany and Zoology). 50 questions in each subject are divided into two Sections (A and B) as per details given below : Section A shall consist of 35 (Thirty-five) Questions in each subject (Questions Nos - 1 to 35, 51 to 85, 101 to 135 and 151 (a) to 185). All questions are compulsory. Section B shall consist of 15 (Fifteen) questions in each subject (Question Nos - 36 to 50, 86 to 100, 136 to 150 and 186 to 200). In Section B, a candidate needs to attempt any 10 (Ten) questions out of 15 (Fifteen) in each subject. Candidates are advised to read all 15 questions in each subject of Section B before they start attempting the question paper. In the event of a candidate attempting more than ten questions, the first ten questions answered by the candidate shall be evaluated. Each question carries 4 marks. For each correct response, the candidate will get 4 marks. For each incorrect response, one mark 3. will be deducted from the total scores. The maximum marks are 720. Use Blue/Black Ball Point Pen only for writing particulars on this page/marking responses on Answer Sheet. 4. Rough work is to be done on the space provided for this purpose in the Test Booklet only. 5. On completion of the test, the candidate must hand over the Answer Sheet (ORIGINAL and OFFICE Copy) to the Invigilator 6. before leaving the Room/Hall. The candidates are allowed to take away this Test Booklet with them. 7 The CODE for this Booklet is F6. Make sure that the CODE printed on the Original Copy of the Answer Sheet is the same as that on this Test Booklet. In case of discrepancy, the candidate should immediately report the matter to the Invigilator for replacement of both the Test Booklet and the Answer Sheet. The candidates should ensure that the Answer Sheet is not folded. Do not make any stray marks on the Answer Sheet. Do not write 8 your Roll No. anywhere else except in the specified space in the Test Booklet/Answer Sheet. Use of white fluid for correction is NOT permissible on the Answer Sheet. 9. 10. Each candidate must show on-demand his/her Admit Card to the Invigilator. No candidate, without special permission of the centre Superintendent or Invigilator, would leave his/her seat. 11. The candidates should not leave the Examination Hall without handing over their Answer Sheet to the Invigilator on duty and sign 12 (with time) the Attendance Sheet twice. Cases, where a candidate has not signed the Attendance Sheet second time, will be deemed not to have handed over the Answer Sheet and dealt with as an Unfair Means case. 13. Use of Electronic/ Manual Calculator is prohibited. 14. The candidates are governed by all Rules and Regulations of the examination with regard to their conduct in the Examination Room/Hall. All cases of unfair means will be dealt with as per the Rules and Regulations of this examination. 15 No part of the Test Booklet and Answer Sheet shall be detached under any circumstances. The candidates will write the Correct Test Booklet Code as given in the Test Booklet/Answer Sheet in the Attendance Sheet. 16. Compensatory time of one hour five minutes will be provided for the examination of three hours and 20 minutes duration, whether 17. such candidate (having a physical limitation to write) uses the facility of scribe or not. In case of any ambiguity in translation of any question, English version shall be treated as final. प्रश्नों के अनुवाद में किसी अस्पष्टता की स्थिति में, अंग्रेजी संस्करण को ही अन्तिम माना जायेगा। Name of the Candidate (in Capital letters): Roll Number: in figures: in words: Name of Examination Centre (in Capital letters) : Invigilator's Signature: Candidate's Signature: Resonance Eduventures Ltd. Reg. Office & Corp. Office : CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.) - 324005 Ph. No.: +91-744-2777777, 2777700 | FAX No.: +91-022-39167222 To Know more : sms RESO at 56677 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in | CIN : U80302RJ2007PLC024029 f facebook.com/ResonanceEdu 🔰 twitter.com/ResonanceEdu 腸 www.youtube.com/resowatch 🕒 blog.resonance.ac.in Toll Free : 1800 258 5555

NEET (UG) 2023 | DATE : 07-05-2023 | BIOLOGY

	PART :	BIOLOGY	
101.	Movement and accumulation of ions across a explained by	ce' Resonar	nce" Resonance'
	(1) Facilitated diffusion (2) Passive transport	(3) Active transport	(4) Osmosis
Ans.			
102.	Am <mark>ong</mark> 'The Evil Quartet', w <mark>hich</mark> one is conside	ered the most important	cause dri <mark>ving</mark> extinction species ?
	(1) Over exploitation for economic gain	(2) Alien species inva	sions
	(3) Co-extinctions	(4) Habitat loss and fr	agmentation
Ans.	(4)		
103.	Identify the pair of heterosporous pteridophytes	s among the following :	
Edoc	(1) Selaginella and Salvinia	(2) Psilotum and Salv	inia
	(3) Equisetum and Salvinia	(4) Lycopodium and S	
Ans.	(1)		
104.	Frequency of recombination between gene pa	aire on como chromosor	no as a massure of the distance
104.	between genes to map their position on chrom		
	(1) Sutton and Boveri	(2) Alfred sturtevant	
	(3) Henking	(4) Thomas Hunt Mor	gan
Ans.	(2)		50nance
105.	What is the function of tassels in the corn cob	2	
100.	(1) To trap pollen grains	(2) To disperse poller	arains
	(3) To protect seeds	(4) To attract insects	sonance
Ans.	(1)		
106.	Identify the correct statements :		
	A. Detrivores perform fragmentation.		
	B. The humus is further degraded by some mic	crobes during mineraliza	tion.
	C. Water soluble inorganic nutrients go down	-	
	leaching.		
	D. The detritus food chain begins with living or	ganisms.	
	E. Earthworms break down detritus into smalle		called catabolism.
	Choose the correct answer from the options g		
	(1) B, C, D only (2) C, D, E only	(3) D, E, A only	(4) A,B,C only
Ans.	(4) Educating for butter tomorrow		
107.	Given below are two statements : One is label		
	Assertion A and the other is labelled as Reas		assuchting for better tomorrow
	Assertion A : Late wood has fewer xylary eler		
	Reason R : Cambium is less active in winters.	. In the light of the above	e statements, choose the correc
	answer from the options given below :	Educating for better tomorrow	
	(1) Both A and R are true but R is NOT the cor	rect explanation of A.	
	(2) A is true but R is false.		
	(3) A is false but R is true.	ovaluation of A	
Ans.	(4) Both A and R are true and R is the correct(4)	erpiananun ur A.	
			<u> </u>
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			NEET (UG) 2023 DA	ATE : 07-05-2023 BIOLOGY
108.	The process of appe	earance of recombination	nodules occurs at which su	b stage of prophase I in meiosis?
	(1) Pachytene	(2) Diplotene	(3) Diakinesis	(4) Zygotene
Ans.	(1)			
109.	Which of the followi	ng stage <mark>s of</mark> meiosis invo	lves division of centromere	
	(1) Metaphase II	(2) Anaphase II	(3) Telophase	(4) Metaphase I
Ans.	(2) Resonar			
<mark>110</mark> .	During the purificati	on process for recombina	ant DNA technology, additi	on of chilled ethanol precipitates
	out			
	(1) DNA	(2) Histones	(3) Polysaccharides	(4) RNA
Ans.	(1)			
Edoc	250030			
111.	-		and Liliaceae. With respe ut not found in Solanaceae	ct to the stamens, pick out the or Liliaceae.
	(1) Polydelphous ar	nd epipetalous stamens	(2) Monoadelphous ar	nd Monothcous anthers
	(3) Epiphyllous and	Dithecous anthers	(4) Diadelphous and D	lithecous anthers
Ans.	(4)			
112.	Large, colourful, fra	grant flowers with nectar	are seen in :	
	(1) bird pollinated p	-	(2) bat pollinated plant	s
	(3) wind pollinated p		(4) insect pollinated pl	
Ans.	(4)			
113.		of the following phytohor early seed production?	mone on juvenile conifers	helps in hastening the maturity
	(1) Gibberellic Acid	carry seed production :	(2) Zeatin	
	(3) Abscisic Acid		(4) Indole-3-butyric Ac	id
Ans.				sonance'
A113.				
114 .	Axile placentation is	observe in		
	(1) China rose, Bea	ns and Lupin	(2) Tomato, Dianthus	and Pea
	(3) China rose, Petu	unia and Lemon	(4) Mustard, Cucumb	er and Primrose
Ans.	(3)			
115.	Among eukaryotes,	replication of DNA takes	place in :	
	(1) S phase	(2) G₁ phase	(3) G ₂ phase	(4) M phase
Ans.	(1)			
116.	How many ATP and	d NADPH2 are required f	or the synthesis of one me	plecule of Glucose during Calvin
	cycle?			
	(1) 18 ATP and 12 I	NADPH ₂	(2) 12 ATP and 16 NA	DPH ₂
	(3 <mark>) 18</mark> ATP and 16 I	NADPH ₂	(4) 1 <mark>2 A</mark> TP and 12 NA	DPH ₂ Resonance
Ans.	(1) Educating for better to			

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117.	In gene gun methoused.	od used to introduce alien D	NA into host cells r	microparticles of	metal are
	(1) Zinc	(2) Tungsten or gold	(3) Silver	(4) Copper	
Ans.	(2) Resona				
<mark>11</mark> 8.	The thickness of o	<mark>zo</mark> ne in a column of air <mark>in th</mark> e	e atmosphere in mea	a <mark>sure</mark> d in terms of :	
	(1) Decibels	(2) Decameter	(3) Kilobase	(4) Dobson units	
Ans.	(4)				
119.	Unequivocal proof	that DNA is the genetic mat	erial was first propos	sed by :	
. 0-	(3) Wilkins and Fra	and Martha Chase Inklin	(2) Avery, Macleo (4) Frederick Griff	· ·	
Ans.	(1)				
120.	In <mark>the</mark> equation				
	GPP - R = NPP				
	GPP is Gross Prim				
	NPP is Net Primary				
	R here is (1) Respiratory quo		(2) Respiratory lo	SC	
	(3) Reproductive a			cally active radiation	
Ans.	(2)	lioodilon		carly donve radiation	
121.		RNA polymerase III in the p	rocess of transcription	on of Eukaryotes ?	
		f tRNA, 5srRNA and snRNA			
	(2) Transcription of (3) Transcription of	f precursor of mRNA			
		f rRNAs (28S, 18S and 5.8S)		
Ans.	(1)		/		
	sonar				
122.		nt is required for splitting of w			
_	(1) molybdenum	(2) magnesium	(3) copper	(4) manganese	
Ans.	(4)				
123.	In angiosperm, the	haploid, diploid and triploid	structu <mark>res</mark> of a fertili	ized embryo sac sequer	ntially are :
	(1 <mark>) An</mark> tipodal, syne	ergids, and primary endospe	m nucl <mark>eus</mark>		
	mig för better tomörram	ote and primary endosperm	nucleus		
		podal and Polar nuclei	-o" Doom		
A no		nary endo <mark>psp</mark> erm nucleus ar	nd zygote		
Ans.	(2)	of plaiatropiam refere to			
124.		of pleiotropism refers to alleles, each of the two ger	oes controlling a sin		
		ffecting multiple phenotypic	pand production of the second second	gio trait	
		genes affecting a single cha			
	. ,			crossover	
	(4) presence of sev	veral alleles of a single gene	controlling a single	010000001.	

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125.	Given below are two statements. Assertion A : ATP is used at two	One is labelled as Assertion A and the other is label	led as Reason R:
	Reason R : First ATP is used in	converting glucose into glucose-6-phosphate and set phate into fructose -1-6-diphosphate.	cond ATP is used
	In the light of the above statemer answer from the options give belo	nt, choose the correct answer from the statements, ch ow:	noose the correct
	(1) Both A and R are true but R is	s NOT the correct explanation of A.	
	(2) A is true but R is false		
	 (3) A is false but R is true (4) Both A and R are true and R i 		
Ans.	(4) (4)		
126.	Cellulose does not form blue colo	our with lodine because	
	(1) It is a helical molecule.		
	(3) It breakes down when iodine r	elices and hence cannot hold iodine molecules. reacts with it.	
Ans.	(4) It is a disaccharide. (2)		
127.	Which bormone promotes interno	ode/petiole elongation in deep water rice?	
Educ	(1) Kinetin (2) Ethyle		
Ans.	(2)		
<mark>12</mark> 8.	Expressed Sequence Tags (EST (1) All genes that are expressed a		
	(2 <mark>) All</mark> genes whether expressed	or unexpressed.	
	(3) Certain important expressed g	genes.	
	(4) All genes that are expressed a	as RNA.	
Ans.	(4)		
<mark>12</mark> 9.	Given below are two statements: Statement I The forces generated height.	d by transpiration can lift a xylem-sized column of wate	er over 130 meters
	-	leaf surfaces sometimes 10 to 15 degrees, by evapor	rative cooling.
		nts, choose the most appropriate answer from the opti	ions given below:
	(1) Both Statement I and Stateme		
	(2) Statement I is correct but Stat		
	 (3) Statement I is incorrect but Statement I and Statement I 		
Ans.	(4) (4)		
130.	Upon exposure to UV radiation. D	DNA stained with ethidium bromide will show	
	(1) Bright blue colour	(2) Bright yellow colour	
	(3) Bright orange colour	(4) Bright red colour	
Ans.	(3)		

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The historic Conve year:	ention on Biological Div		
year.		ersity, "The Earth Summi	t' was held in Rio de Janeiro in the
(1) 1992	(2) 1986	(3) 2002	(4) 1985
(1) Resona			
The reaction centre (1) 700 nm	e in PS II has an absorp (2) 660 nm	otion maxima at (3) 780 nm	(4) 680 nm
(4) Resona			
Assertion A: The fin Reason R Protone tatements, choose most appropriate a (1) Both A and R a (2) A is correct but (3) A is not correct (4) Both A and R a	rst stage of gametophytema develops directly f the nswer from the options re correct but R is NOT R is not correct. but R is correct.	te in the life cycle of moss rom spores produced in o given below: the correct explanation of	is protonema stage. capsule. In the light of the above s
			ng for better tymorrow
		nyll cells are put in a culture	e medium to form callus.
		(2) Development	
(3) Senescence		(4) Differentiation	
(1)			
describing the posi	tion of secondary xylem	n in the plant body.	
statements, choose	e the correct answer fro	om the options given below	sonance*
(1) Both Statement	I and Statement II are	false.	
(2) Statement I is c	orrect but Statement II	is false.	
(3) Statement I is in	ncorrect but Statement	II is true.	
(4) Both Statement	I and Statement II are	true.	
(3)			
A. Lenticels are the	e lens-shaped openings	Education for better tomorrow	of gases.
	and prove prove the second		Resonance
-			
(1 <mark>) A a</mark> nd D only	printerrow Resol	(2) A <mark>, B</mark> and D only	Educating for better tomorrow
.,		(4) B, C and E only	Dagaabaa
(1)			
	The reaction centre (1) 700 nm (4) Given below are tw Assertion A: The fin Reason R Protone tatements, choose most appropriate a (1) Both A and R a (2) A is correct but (3) A is not correct (4) Both A and R a (4) In tissue culture ex This phenomenon (1) Dedifferentiation (3) Senescence (1) Given below are to describing the posi Statement II Exarc statements, choose (1) Both Statement (2) Statement I is co (3) Statement I is co (4) Statement I is co (4) Statement I is co (5) Statement I is co (6) Statement I is co (7) Statement I is co (7) Statement I is co (7) Statement I is co (7) State	The reaction centre in PS II has an absorp (1) 700 nm (2) 660 nm (4) Given below are two statements: One is la Assertion A: The first stage of gametophyt Reason R Protonema develops directly f tatements, choose the most appropriate answer from the options (1) Both A and R are correct but R is NOT (2) A is correct but R is not correct. (3) A is not correct but R is correct. (4) Both A and R are correct and R is the f (4) In tissue culture experiments, leaf mesoph This phenomenon may be called as : (1) Dedifferentiation (3) Senescence (1) Given below are two statements: Stater describing the position of secondary xylen Statement II Exarch condition is the most statements, choose the correct answer fro (1) Both Statement I and Statement II are (2) Statement I is incorrect but Statement II (3) Statement I is incorrect but Statement II (4) Both Statement I and Statement II are (2) Statement I is incorrect but Statement (4) Both Statement I and Statement II are (3) Identify the correct statements: A. Lenticels are the lens-shaped openings B. Bark formed early in the season is calle C. Bark is a technical term that refers to a D. Bark refers to periderm and secondary E. Phellogen is single-layered in thickness Choose the correct answer from the option (1) A and D only (3) B and C only	The reaction centre in PS II has an absorption maxima at (1) 700 nm (2) 660 nm (3) 780 nm (4) Given below are two statements: One is labelled as Assertion A and Assertion A: The first stage of gametophyte in the life cycle of moss Reason R Protonema develops directly from spores produced in or tatements, choose the most appropriate answer from the options given below: (1) Both A and R are correct but R is NOT the correct explanation of (2) A is correct but R is not correct. (3) A is not correct but R is correct. (4) In tissue culture experiments, leaf mesophyll cells are put in a culture This phenomenon may be called as : (1) Dedifferentiation (2) Development (3) Senescence (4) Differentiation (1) Given below are two statements: Statement I: End arch and ex describing the position of secondary xylem in the plant body. Statement II and Statement II are false. (2) Statement I and Statement II is false. (3) Statement I and Statement II are true. (3) (4) Both Statement I and Statement II are true. (4) (5) Bark formed early in the season is called hard bark. (2) Statement I and Statement II are true. (3) Statement I and Statement II are true. (3) Statement I and Statement II are true. (3) Statement I and Statement II are true.<

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137.	Match List I with List II:				
	List I	List II			
	A. Cohesion	I. More attraction in liquid phase			
	B. Adhesion	II. Mutual attraction among water molecules			
	C. Surface tension	III. Water loss in liquid phase			
	D. Guttation	IV. Attraction towards polar surfaces			
	Choose the correct answer	from the options given below:			
	(1 <mark>) A-I</mark> V, B-III, C-II, D-I				
	(2) A-III, B-I, C-IV, D-II				
	(3) A-II, B-I, C-IV, D-III				
	(4 <mark>) A-II</mark> , B-IV, C-I, D-III				
Ans.	(4)				
138.	Match List I with List II				
130.	List I	List II			
	A. M Phase	I. Proteins are synthesized			
	B. G ₂ Phase	II. Inactive phase			
	C. Quiescent stage	III. Interval between mitosis and initiation of DNA replica	ation		
	D. G, Phase:	IV. Equational division	sonance"		
		from the options given below:			
	(1) A-IV, B-II, C-I, D-III				
	(2) A-IV, B-I, C-II, D-III				
	(3) A-II, B-IV, C-I, D-III				
	(4) A-III, B-II, C-IV, D-I				
Ans.	(4) / (III, B II, O IV, B I (2)				
A1131	(_)				
139.	Which of the following state	nents are correct about Klinefelter's Syndrome?			
Re		scribed by Langdon Down (1866).			
		verall masculine development. However, the feminine			
	development is also express				
	C. The affected individual is	short statured.			
	D. Physical, psychomotor ar	nd mental development is retarded.			
		le. Choose the correct answer from the options given below:			
	(1) C and D only	(2) B and E only			
	(3) A and E only	(4) A and B only			
Ans.	(2)	(),,			
140.	Given below are two statem				
	Statement I: Gause's 'Competitive Exclusion Principle' states that two closely related species competing				
	for the same resources cannot co-exist indefinitely and competitively inferior one will be eliminated				
		eventually. Statement II: In general, carnivores are more adversely affected by competition than herbivores.			
	alling for patter tomorrow Educating to	ements, choose the correct answer from the options given be	elow.		
	(1) Both Statement I and Sta				
	(2) Statement I is correct bu				
	(3) Statement I is incorrect b				
	(4) Both Statement I and Statement I				
Ans.	(2)				

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141.	How many different proteins does (1) 60 (2) 40	the ribosome consist of? (3) 20	(4) 80
Ans.			
142.	 Which of the following combination (1) membrane, proton pump, proto (2) proton pump, electron gradient (3) proton pump, electron gradient (4) membrane, proton pump, proto 	on gradient, NADP synthase t, ATP synthase t, NADP synthase	
Ans.	(4)		
143. R	 (2) Water hyacinth grows abund ecosystem dynamics of the water (3) The amount of some toxic s successive trophic levels. 	s of organic matter in water improve lantly in eutrophic water bodies body. substances of industrial waste wa in biodegradation of organic matt	water quality and promote fisheries. and leads to an imbalance in the ater increases in the organisms at er in a sewage polluted water body
Ans.	(1)		
144.	Match List I with List II: List I (Interaction) A. Mutualism B. Commensalism C. Amensalism D. Parasitism Choose the correct answer from th (1) A-IV, B-1, C-II, D-III (2) A-IV, B-1I, C-I, D-III (3) A-III, B-1, C-IV, D-II (4) A-IV, B-II, C-1, D-III (1)	List II (Species A and B) I. +(A), O(B) II. (A), O(B) III. (A). (B) IV. +(A), (B) ne options given below:	
145.	sequence. A. Insertion of recombinant DNA ir B. Cutting of DNA at specific locat	nto the host cell. ion by restriction enzyme. ent. D. Amplification of gene of inte	v. Arrange these steps in a correct
Ans.	(2)	•••	
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146.	Match List I with List II:	
	List I	List II
	A. Iron	I. Synthes <mark>is o</mark> f auxin
	B. Zinc	II. Component of nitrate reductase
	C. Boron	III. Activator of catalase
	D. Molybdenum	IV . Cell elongation and differentiation
	Choose the correct answer fro	Text temperature for hetter temperature Education for hetter temperature
	(1) A-II, B-III, C-IV, D-I	Resonance' Resonance' Resonance'
	(2) A-III, B-I, C-IV, D-II	
	(3) A-II, B-IV, C-I, D-III	
	(4) A-III, B-II, C-I, D-IV	
Ans.	(2)	
147.	Match List I with List II:	
	List I	List II
	A. Oxidative decarboxylation	I. Citrate synthase
	B. Glycolysis	II. Pyruvate dehydrogenase
	C. Oxidative phosphorylation	III. Electron transport system
	D. Tricarboxylic acid cycle	IV. EMP pathway
	Choose the correct answer fro	
	(1) A-II, B-IV, C-I, D-III	(2) A-III, B-I, C-II, D-IV
	(3 <mark>) A-II</mark> , B-IV, C-III, D-I	(4) A-III, B-IV, C-II, D-I
Ans.	(3)	(i) / Ching D (i) O (i) D (ii) D (iii)
148.		ts: One is labelled as Assertion A and the other is labelled as Reason R: s the pollen grains are released from the microsporangium and carried by
	Reason R: Air currents carry t are discharged and pollen tube	he pollen grains to the mouth of the archegonia where the male gametes e is not formed.
	In the light of the above statem	nents, choose the correct answer from the options given below:
	(1) Both A and R are true but F	R is NOT the correct explanation of A.
	(2) A is true but R is false.	
	(3) A is false but R is true.	
	(4) Both A and R are true and	R is the correct explanation of A.
Ans.	(2)	
149.	Given below are two statemen	ts: One is labelled as Assertion A and the other is labelled as Reason R
143.		ed as modified shoot wherein the shoot apical meristem changes to floral
		shoot gets c <mark>ondensed to produce differe</mark> nt floral appendages laterally at aves. In the light of the above statements, choose the correct answer from
	the options given below:	
	(1) Both A and R are true but F(2) A is true but R is false.	R is NOT the correct explanation of A.
	(3) A is false but R is true.	
	RESUBBLE	R is the correct explanation of A.
Ane	(4) Both A and K are true and	
Ans.		

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150.	Melonate inhibits the growth	of pathogenic bacteria by inhibiting the activity of
	(1) Amylase	
	(2) Lipase	
	(3) Dinitrogenase	
	(4) Succinic dehydrogenase	
Ans.	(4) nance Reso	
151.	Given below are two stateme	ents:Resonance' Resonance' Resonance'
	Statement I: A protein is imag	<mark>gin</mark> ed as a line, the left end represented by first amino acid (C-terminal) and
	the right end represented by	last amino acid (N-terminal)
	Statement II: Adult human ha	aemoglobin, consists of 4 subunits (two subunits of $lpha$ type and two subunits
	of <mark>β ty</mark> pe.)	
	In the light of the above state	ements, choose the correct answer from the options given below:
	(1) Both statement I and Stat	tement II are false.
	(2) Statement I is true but Sta	atement II is false.
	(3) Statement I is false but St	tatement II is true.
	(4) Both statement I and Stat	tement II are true.
Ans.	(3)	
152 .	Radial symmetry is NOT four	nd in adults of phylum
	(1) Hemichordata	
	(2 <mark>) Coe</mark> lenterata	
	(3) Echinodermata	
	(4) Ctenophora	
Ans.	(1)	
153.		nents are correct regarding female reproductive cycle?
		cyclical changes during reproduction are called oestrus cycle.
	-	ns at puberty and is called menopause.
	C. Lack of menstruation may	
		ds between menarche and menopause.
		e answer from the options given below:
	(1) A and B only	(2) A, B and C only
• 0-	(3) A, C and D only	(4) A and D only
Ans.	(3)	
154.	Given below are statements:	one is labelled as Assertion A and the other is labelled as Reason R.
		of two types: Cortical & Juxta medullary, based on their relative position in
	cortex and medulla.	Laster temorrow Educating for better tomorrow Educating for better tomorrow
	Reason R: Juxta medullary	nephrons have short loop of Henle whereas, cortical nephrons have longer
	loop of Henle.	
	In the light of the above state	ements, choose the correct answer from the options given below:
	(1) Both A and R are true but	t R is NOT the correct explanation of A.
	(2) A is true but R is false.	
	(3) A is false but R is true.	
	(4) Both A and R are true and	d R is the correct explanation of A.
Ans.	(2)	

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	List I A. Fovea	List II I. Visible coloured portion of eye that regulates diame	ter of nunil
	B. Iris	II. External layer of eye formed of dense connective t	
			issue.
	C. Blind spot	III. Point of greatest visual acuity or resolution.	
	D. Sclera	IV. Point where optic nerve leaves the eyeball and p	onotoreceptor ce
	Educating for batter tomorrow	are absent.	
	Choose the correct answer fro	om the options given below:	
	(1) A-IV, B-III, C-II, D-I		
	(2 <mark>) A-I</mark> , B-IV, C-III, D-II		
	(3 <mark>) A-II</mark> , B-I, C-III, D-IV		
	(4) A-III, B-I, C-IV, D-II		
Ans.	(4)		
56.	Which of the following are NC	T considered as the part of endomembrane system?	
	A. Mitochondria		
	B. Endoplasmic Reticulum		
	C. Chloroplasts		
	D. Golgi complex		
	E. Peroxisomes		
	Choose the most appropriate	answer from the options given below:	
	(1) A, C and E only	(2) A and D only	
	(3) A, D and E only	(4) B and D only	
Ans.	(1)		
157.		crease is visible in a person suffering from-	
	(1) Turner's syndrome	(2) Klinefelter's syndrome	
•	(3) Thalassemia	(4) Down's syndrome	
Ans.	(4)		
Re			
158.	Match List I with List II.		
	List I	List II	
	A. P-wave	I. Beginning of systole	
	B. Q-wave	II. Repolarisation of	
	C. QRS complex ventricles	III. Depolarisation of atria	
	D. T wave	IV. Depolarisation of ventricles	
	Choose the correct answer fro		
	(1) A-IV, B-III, C-II, D-I	(2) A-II, B-IV, C-I, D-III	
	(3 <mark>) A-I</mark> , B-II, C-III, D-IV	Resonance(4) A <mark>-III,</mark> B-I, C-IV, D-II com	
Ans.	(4)		
Entoca	ting for betting tomorrow	etter temorraw Educating for better temorraw Educating for better temorraw	Las Cal Nateo vi
159.	Which one of the following co early and treated properly?	mmon sexually transmitted diseases is completely cural	ble when detect
	(1) Gonorrhoea	(2) Hepatitis-B	
	(3) HIV Infection	(4) Genital herpes	
Ans.	(1)	., ,	

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160.	Match List I with List II. List I	List II			
	(Cells)	(Secretion)			
	A. Peptic cells	I. Mucus			
	B. Goblet cells	II. Bile juice			
	C. Oxyntic cells	III. Proenzyme pepsinogen			
	D. Hepatic cells	IV. HCl and intrinsic factor for absorption of vitamin B_{12}			
		from the options given below:			
	(1) A-II, B-I, C-III, D-IV	(2) A-III, B-I, C-IV, D-II			
	(3) A-II, B-IV, C-I, D-III	(4) A-IV, B-III, C-II, D-I			
Ans.	(c) / (ii) (c) (ii) (c) (ii) (c) (ii) (c) (ii) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c				
,					
161.	Assertion A: Endometrium Reason R: In the absence endometrium.	ents: one is labelled as Assertion A and the other is labelled as Reason R. is necessary for implantation of blastocyst. of fertilization, the corpus luteum degenerates that causes disintegration of ements, choose the correct answer from the options given below:			
	T	It R is NOT the correct explanation of A.			
	(4) Both A and R are true an	nd R is the correct explanation of A.			
Ans.	(4)				
162.	Which of the following is not (1) YAC (2)	a cloning vector? pBR322 (3) Probe (4) BAC			
Ans.	(3)				
163.	Match List I with List II.	List II			
	A. <mark>Tae</mark> nia	I. Nephridia			
	B. Paramoecium	II. Contractile vacuole			
	C. Periplaneta	III. Flame cells			
	D. Pheretima	IV. Urecose gland			
	Choose the correct answer f	from the options give below:			
	(1) A-I, B-II, C-IV, D-III	(2) A-III, B-II, C-IV, D-I			
	(3) A-II, B-I, C-IV, D-III	(4) A-I, B-II, C-III, D-IV			
Ans.					
164.	Given below are two statem Statement I: Ligaments are Statement II: Cartilage is de	dense irregular tissue.			
		In the light of the above statements, choose the correct answer from the options given below:			
	(1) Both Statement I and Sta	r ballor Innieriew Education for better tomorrow Education for better tomorrow			
	(2) Statement I is true but St				
	(3) Statement I is false but S				
	(4) Both Statement I and Sta				
Ans.	(1)				

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165.	Which of the following function (1) Protein synthesis	ons is carried out by cytoskeleton in a cell? (2) Motility			
Ans.	(3) Transportation (2)	(4) Nuclear division			
Re	esonance [®] Resc				
166.	Match List I with List II. Lis <mark>t I</mark>	List II:onance" Resonance" Resonance			
	A. Gene 'a'	I. β-galactosidase			
	B. Gene 'y'	II. Transacetylase			
	C. Gene 'i'	III. Permease			
	D. Gene 'z'	IV. Repressor protein			
	Choose the correct answer from the options given below:				
	(1) A-II, B-III, C-IV, D-I	(2) A-III, B-IV, C-I, D-II			
	(3 <mark>) A-III</mark> , B-I, C-IV, D-II	(4) A-II, B-I, C-IV, D-III			
Ans.	(1)				
167.	Which of the following statements is correct?				
	 Biomagnification refers to 	p increase in concentration of the toxicant at successive trophic levels.			
	(2) Presence of large amount of nutrients in water restricts 'Algal Bloom'				
	(3) Algal Bloom decreases fish mortality				
		ncrease in domestic sewage and waste water in lakes.			
Ans.	(1)				
168.	Which one of the following a	umbola represente moting between relatives in human pedigree englysic?			
100.		ymbols represents mating between relatives in human pedigree analysis?			
		(2)			
Educ					
Ans.	(1)				
169.	Once the undigested and un	Once the undigested and unabsorbed substances enter the caecum, their backflow is prevented by-			
	(1) lleo caecal valve	(2) Gastro-oesophageal sphincter			
	(3) Pyloric sphincter	(4) Sphincter of Oddi			
Ans.	(1) Educating for latter tomorrow	Educating for better tomorrow Educating for better tomorrow Educating for better tomorrow			
	esonance" 🚺 Resc				
170.	Which one of the following to early treatment?	echniques does not serve the purpose of early diagnosis of a disease for its			
	(1) Serum and Urine analysis				
	(2) Polymerase Chain Reaction (PCR) technique				
		Sorbent Assay (ELISA) technique			
	(4) Recombinant DNA Technology				
Ans.	(1)				
	dennar Daer				

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	2SONANCe		NEET (UG) 2023 D	ATE: 07-05-2023 BIOLOGY		
171.	Given below are two sta					
	Statement I: Low temperature preserves the enzyme in a temporarily inactive state whereas high					
	temperature destroys enzymatic activity because proteins are denatured by heat.					
	Statement II: When the inhibitor closely resembles the substrate in its molecular structure and inhibits					
	the activity of the enzyme, it is known as competitive inhibitor.					
	attend for heller tomorrow Edu		e the correct answer from th	e options given below:		
	(1) Both Statement I and Statement II are false.					
	(2) Statement I is true b					
	(3) Statement I is false					
Educ		(4) Both Statement I and Statement II are true.				
Ans.	(4)					
1						
172.	Match List I with List II.	L is	st II			
	(T <mark>ype</mark> of Joint)					
	A. Cartilaginous Joint		ound between) Between flat skull bones			
	B. Ball and Socket Join		Between adjacent vertebra	a in vortabral column		
	C. Fibrous Joint		. Between carpal and metac			
	D. Saddle Joint		. Between Humerus and Pe			
	Choose the correct ans					
	(1) A-II, B-IV, C-I, D-III		(2) A-I, B-IV, C-III, D-I	. E.		
	(1) A-II, B-IV, C-III, D-I		(4) A-III, B-I, C-II, D-I			
Ans.	(1)		(+) / III, D I, O II, D I	ng for batter tomorrow		
	ad on an					
172	(- WOD BOLOW ORD TWO ST	atomonte:				
173.	Given below are two sta Statement I: Vas defere		rom seminal vesicle and ope	ens into urethra as the eiaculatory		
173.	Statement I: Vas defere		rom seminal vesicle and ope	ens into urethra as the ejaculatory		
173.	Statement I: Vas defere duct.	ens receives a duct f		ng for batter temorrow		
173.	Statement I: Vas defere duct. Statement II: The cavity	ens receives a duct f / of the cervix is call	ed cervical canal which alor	ng with vagina forms birth canal.		
173.	Statement I: Vas defere duct. Statement II: The cavity	ens receives a duct f / of the cervix is call e statements, choose	ed cervical canal which alor e the correct answer from th	ng with vagina forms birth canal.		
173.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I an	ens receives a duct f y of the cervix is call e statements, choose d Statement II are fa	ed cervical canal which alor e the correct answer from th alse.	ng with vagina forms birth canal.		
173.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above	ens receives a duct f y of the cervix is call e statements, choose d Statement II are fa ct but Statement II is	ed cervical canal which alor e the correct answer from th alse. s false.	ng with vagina forms birth canal.		
173.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I and (2) Statement I is corre	ens receives a duct f y of the cervix is call e statements, choose of Statement II are fa ct but Statement II is ct but Statement II is	ed cervical canal which alor e the correct answer from th alse. s false. true.	ng with vagina forms birth canal.		
173.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I an (2) Statement I is correct (3) Statement I incorrect	ens receives a duct f y of the cervix is call e statements, choose of Statement II are fa ct but Statement II is ct but Statement II is	ed cervical canal which alor e the correct answer from th alse. s false. true.	ng with vagina forms birth canal.		
Ans.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I an (2) Statement I is corre (3) Statement I incorred (4) Both Statement I an (4)	ens receives a duct f y of the cervix is call a statements, choose of Statement II are fa ct but Statement II is ct but Statement II is of Statement II are to	ed cervical canal which alor e the correct answer from th alse. s false. true. rue.	ng with vagina forms birth canal.		
	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I an (2) Statement I is corre (3) Statement I incorred (4) Both Statement I an (4) In which blood corpusc	ens receives a duct f y of the cervix is call a statements, choose of Statement II are fa ct but Statement II is of Statement II is of Statement II are to les, the HIV undergo	ed cervical canal which alor e the correct answer from th alse. s false. true. rue.	ng with vagina forms birth canal. ne options given below: s progeny viruses?		
Ans. 174.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I and (2) Statement I is correct (3) Statement I incorrect (4) Both Statement I and (4) In which blood corpusc (1) B-lymphocytes	ens receives a duct f y of the cervix is call a statements, choose of Statement II are fa ct but Statement II is ct but Statement II is of Statement II are to	ed cervical canal which alor e the correct answer from th alse. s false. true. rue.	ng with vagina forms birth canal.		
Ans.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I an (2) Statement I is corre (3) Statement I incorred (4) Both Statement I an (4) In which blood corpusc	ens receives a duct f y of the cervix is call a statements, choose of Statement II are fa ct but Statement II is of Statement II is of Statement II are to les, the HIV undergo	ed cervical canal which alor e the correct answer from th alse. s false. true. rue.	ng with vagina forms birth canal. ne options given below: s progeny viruses?		
Ans. 174. Ans.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I an (2) Statement I is corre (3) Statement I incorred (4) Both Statement I an (4) In which blood corpusc (1) B-lymphocytes (4)	ens receives a duct f y of the cervix is call a statements, choose of Statement II are fa ct but Statement II is of Statement II is of Statement II are to les, the HIV undergo	ed cervical canal which alor e the correct answer from th alse. s false. true. rue.	ng with vagina forms birth canal. ne options given below: s progeny viruses?		
Ans. 174.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I and (2) Statement I is correct (3) Statement I incorrect (4) Both Statement I and (4) In which blood corpusc (1) B-lymphocytes	ens receives a duct f y of the cervix is call a statements, choose of Statement II are fa ct but Statement II is of Statement II is of Statement II are to les, the HIV undergo	ed cervical canal which alor e the correct answer from th alse. s false. true. rue.	ng with vagina forms birth canal. ne options given below: s progeny viruses?		
Ans. 174. Ans.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I an (2) Statement I is corre (3) Statement I incorred (4) Both Statement I an (4) In which blood corpusc (1) B-lymphocytes (4) Match List I with List II.	ens receives a duct f y of the cervix is call e statements, choose d Statement II are fa ct but Statement II is d Statement II is d Statement II are to les, the HIV undergo (2) Basophils	ed cervical canal which alor e the correct answer from th alse. s false. true. rue.	ng with vagina forms birth canal. ne options given below: s progeny viruses?		
Ans. 174. Ans.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I and (2) Statement I is corred (3) Statement I is corred (4) Both Statement I and (4) In which blood corpuse (1) B-lymphocytes (1) B-lymphocytes (4) Match List I with List II. List I	ens receives a duct f y of the cervix is call e statements, choose of Statement II are fa ct but Statement II is of Statement II are to les, the HIV undergo (2) Basophils List II I. Effect or	ed cervical canal which alor e the correct answer from th alse. s false. true. rue. oes replication and produces (3) Eosinophils	ng with vagina forms birth canal. ne options given below: s progeny viruses?		
Ans. 174. Ans.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I and (2) Statement I is corre (3) Statement I incorred (4) Both Statement I and (4) In which blood corpusc (1) B-lymphocytes (4) Match List I with List II. List I A. Heroin	ens receives a duct f y of the cervix is call e statements, choose of Statement II are fa ct but Statement II is of Statement II are to les, the HIV undergo (2) Basophils List II I. Effect or	ed cervical canal which alor e the correct answer from th alse. s false. true. rue. (3) Eosinophils	ng with vagina forms birth canal. ne options given below: s progeny viruses?		
Ans. 174. Ans.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I and (2) Statement I is corre (3) Statement I incorred (4) Both Statement I and (4) In which blood corpusc (1) B-lymphocytes (4) Match List I with List II. List I A. Heroin B. Marijuana	ens receives a duct f y of the cervix is call e statements, choose d Statement II are fa ct but Statement II is to but Statement II is d Statement II are to (2) Basophils List II I. Effect or II. Slow do III. Painkill	ed cervical canal which alor e the correct answer from th alse. s false. true. rue. (3) Eosinophils	ng with vagina forms birth canal. ne options given below: s progeny viruses? (4) T _H cells		
Ans. 174. Ans.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I and (2) Statement I is corred (3) Statement I is corred (4) Both Statement I and (4) In which blood corpuse (1) B-lymphocytes (1) B-lymphocytes (4) Match List I with List II. List I A. Heroin B. Marijuana C. Cocaine	ens receives a duct f y of the cervix is call e statements, choose of Statement II are fa ct but Statement II is to but Statement II is d Statement II are to les, the HIV underge (2) Basophils List II I. Effect or II. Slow do III. Painkill IV. Interfer	ed cervical canal which alor e the correct answer from the alse. s false. true. rue. (3) Eosinophils	ng with vagina forms birth canal. ne options given below: s progeny viruses? (4) T _H cells		
Ans. 174. Ans.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I and (2) Statement I is corre (3) Statement I is corre (3) Statement I incorred (4) Both Statement I and (4) In which blood corpusc (1) B-lymphocytes (4) Match List I with List II. List I A. Heroin B. Marijuana C. Cocaine D. Morphine	ens receives a duct f y of the cervix is call e statements, choose of Statement II are fa ct but Statement II is to but Statement II is d Statement II are to les, the HIV underge (2) Basophils List II I. Effect or II. Slow do III. Painkill IV. Interfer	ed cervical canal which alor e the correct answer from the alse. s false. true. rue. (3) Eosinophils	ng with vagina forms birth canal. e options given below: s progeny viruses? (4) T _H cells		
Ans. 174. Ans.	Statement I: Vas defere duct. Statement II: The cavity In the light of the above (1) Both Statement I and (2) Statement I is correct (3) Statement I incorrect (4) Both Statement I and (4) In which blood corpusc (1) B-lymphocytes (4) Match List I with List II. List I A. Heroin B. Marijuana C. Cocaine D. Morphine Choose the correct ans	ens receives a duct f y of the cervix is call e statements, choose of Statement II are fa ct but Statement II is to but Statement II is d Statement II are to les, the HIV underge (2) Basophils List II I. Effect or II. Slow do III. Painkill IV. Interfer	ed cervical canal which alor e the correct answer from the alse. s false. true. rue. (3) Eosinophils a cardiovascular system with transport of dopamin s given below:	e e g with vagina forms birth canal. e options given below: (4) T _H cells		

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al capacity of lung is IRV + ERV + TV + RV IRV + ERV + TV + RV IRV + ERV + TV IRV + ERV + TV IRV + ERV Numbat, Spotted cuscus, Mole, Flying squirrel, Tasr		an Marsupials exhibitir	cre [®] Resolutions for language of the languag	
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l <mark>lect</mark> the correct group/set <mark>o</mark> Numbat, Spotted cuscus,		n Marsupials <mark>exhi</mark> bitir		
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Numbat, Spotted cuscus,		an Marsupials <mark>exhi</mark> bitir		
	Flvina Ph		ng adaptive radiatio <mark>r</mark>	 Resonance[*] Educating for better temorrow
Mole, Flying squirrel, Tasr				
1	nanian tig	er cat		
Lemur, Anteater, Wolf	A			
Tasmanian wolf, Bobcat, N	viarsupiai	mole		
atch List I with List II				
List I	List II			
ССК	I.	Kidney		
GIP	II.	Heart		
ANF	III.	Gastric gland		
ADH	IV.	Pancreas		
D. ADH IV. Pancreas Choose the correct answer from the options given below :				
A-III, B-II, C-IV, D-I	(2) A-I	I, B-IV, C-I, D-III		
A-IV, B-II, C-III, D-I	(4) A-I	V, B-III, C-II D-I		
nar.				
			n A and the other is I	abelled as Reason R.
-	otocic cho	eks increasing menac	o of fomalo facticida	
		-		
			IOTI OFA.	
	R is the	correct explanation of	Δ	
		concerexplanation of	esonance"	
ven below are two stateme	nts:			
atement I: RNA mutates at	a faster i	ate.		
atement II: Viruses having	RNA gen	ome and short <mark>er lif</mark> e s	pan mutate and ev <mark>o</mark>	lve faster.
the light of th <mark>e ab</mark> ove stater	ments, ch	oos <mark>e th</mark> e correct answ	ver from the options	given below:
Both Statement I and Sta	tement II	are false.		
Statement I is true but Sta	atement l	l is false.		
Statement I false but Stat	ement II	is true.		
Both Statement I and Sta	tement II	are true.		
)				
	CCK GIP ANF ADH noose the correct answer fro A-III, B-II, C-IV, D-I A-IV, B-II, C-III, D-I A-IV, B-II, C-IV, D-I A-IV, B-IV, B-IV, D-I A-IV, B-IV, B-IV, B-IV, B-IV, D-IV A-IV, B-IV, B-I	atch List I with List II. List I List I List II CCK I. GIP II. ANF III. ADH IV. noose the correct answer from the op A-III, B-II, C-IV, D-I (2) A-I A-IV, B-II, C-III, D-I (4) A-I A-IV, B-II, C-III, D-I (4) A-I A-IV, B-II, C-III, D-I (4) A-I (5) Vern below are two statements: one is sertion A and the other is labelled a sertion A : Amniocentesis for sex of eath Care Programme. eason R : Ban on amniocentesis che the light of the above statements, che both A and R are true and R is NOT A is true but R is false. A is false but R is true. Both A and R are true and R is the of Wen below are two statements: atement I: RNA mutates at a faster r fatement II: Viruses having RNA gene the light of the above statements, che Both Statement I and Statement II Statement I false but Statement II Both Statement I and Statement II Bot	atch List I with List II. List I List II CCK I. Kidney GIP II. Heart ANF III. Gastric gland ADH IV. Pancreas poose the correct answer from the options given below :) A-III, B-II, C-IV, D-I (2) A-II, B-IV, C-I, D-III) A-IV, B-II, C-III, D-I (4) A-IV, B-III, C-II D-I) A-IV, B-II, C-III, D-I (4) A-IV, B-III, C-II D-I) A-IV, B-II, C-III, D-I (4) A-IV, B-III, C-II D-I) A-IV, B-II, C-III, D-I (4) A-IV, B-III, C-II D-I) A-IV, B-II, C-III, D-I (4) A-IV, B-III, C-II D-I) A-IV, B-II, C-III, D-I (4) A-IV, B-III, C-II D-I) A-IV, B-II, C-III, D-I (4) A-IV, B-III, C-II D-I) A-IV, B-II, C-III, D-I (4) A-IV, B-III, C-III D-I) A so and the other is labelled as Reason R. Section A : Amniocentesis for sex determination is one of ealth Care Programme. eason R : Ban on amniocentesis checks increasing menaction the light of the above statements, choose the correct explanation of prove the sis false.) A is false but R is false.) A is false but R is false.) A is false but R are true and R is the correct explanation of prove the below are two statements: attement I: RN	atch List I with List II. List I List I CCK I. Kidney GIP II. Heart ANF III. Gastric gland ADH IV. Pancreas noose the correct answer from the options given below : . A-III. B-II. C-IV, D-I (2) A-II, B-IV, C-I, D-III A-IV, B-II. C-III, D-I (4) A-IV, B-III, C-II D-I A-IV, B-II. C-III, D-I (4) A-IV, B-III, C-II D-I A-IV, B-II. C-III, D-I (4) A-IV, B-III, C-II D-I A-IV, B-II. C-III, D-I (4) A-IV, B-III, C-II D-I A-IV, B-II. C-III, D-I (4) A-IV, B-III, C-II D-I A-IV, B-II. C-IV, D-I (2) A-IV, B-III, C-II D-I A-IV, B-II. C-III, D-I (4) A-IV, B-III, C-II D-I A-IV, B-II. C-III, D-I (4) A-IV, B-III, C-II D-I A-IV, B-II. C-IV, B-II. C-III D-I (5) A and the other is labelled as Reason R. Section A and the other is labelled as Reason R. (5) A and che other is labelled as Reason R. Section A and the other is labelled as Reason R. (5) A and R are true and R is NOT the correct answer from the options of Both A and R are true and R is the correct explanation of A. A is false but R is false. (5) A and R are true and R is the correct explanation

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	250031 ating for better to	nce [®]	NEET (UG) 2023 DATE : 07-05-2023 BIOLOGY				
181.	Matcl	h List I with List II. List I	List II				
	Α.	Vasectomy	I. Oral method				
	в.	Coitus interruptus	II. Barrier method				
	c.	Cervical caps	III. Surgical method				
	D.	Saheli	IV. Natural method				
	Choo		rom the options given below:				
		III, B-IV, C-II, D-I	(2) A-II, B-III, C-I, D-IV Resonance Resonance				
	· · /	-IV, B-II, C-I, D-III	(4) A-III, B-I, C-IV, D-II				
Ans	(1)		nance' Kesonance' Kesonance'				
182.		n below are two stateme					
			recipitator is most widely used in thermal power plant.				
			precipitator in thermal power plant removes ionising radiations.				
			ments, choose the <i>most appropriate</i> answer from the options given below:				
			atement II are incorrect.				
	• •	(2) Statement I is correct but Statement II is incorrect.					
	· · /		Statement II is correct.				
	. ,	oth Statement I and Sta	atement II are correct.				
Ans	(2)						
		·					
183.		Given below are two statements:					
	Statement I: In prokaryotes, the positively charged DNA is held with some negatively charged proteins						
		in a region called nucleoid.					
	Statement II: In eukaryotes, the negatively charged DNA is wrapped around the positively charged histone octamer to form nucleosome.						
		In the light of the above statements. Choose the correct answer from the option below: (1) Both Statement I and Statement II are false.					
	· · /	(1) Both Statement I and Statement II are laise. (2) Statement I is correct but Statement II is false.					
	(3) Statement I incorrect but Statement II is true.						
	• •	oth Statement I and Sta					
Ans	(4) D((3)		action in are true.				
AIIS	(3)						
184.	Matel	h List I with List II.					
R	Matci	List I	List II				
	Α.	Ringworm I.	Haemophilus influenzsae				
	B.	Filariasis II.	Trichophyton				
	C.	Malaria III.	Wuchereria bancrofti				
	D.	Pneumonia IV.	Plasmodium vivax				
			om the options given below: Resonance Resonance				
		II, B-III, C-I, D-IV	(2) A-III, B-II, C-I, D-IV				
	• •	-III, B-II, C-I <mark>V, D</mark> -I	(4) A-II, B <mark>-III,</mark> C-IV, D-I ande Resonance				
Ans	(1)	at temperature 4 The Educating for	bener Nine row 'Educating for better tomorrow Educating for better tomorrow				
-	. /						

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185.	Match List I and List II.				
	List I				
	(Interacting species)	(Name of Interaction)			
	A. A Leopard and a Lion in a forest/grassla				
	B. A Cuckoo laying egg in a Crow's nest	II. Brood parasitism			
	C. Fungi and root of a higher plant in Myco	orrtizae III. M <mark>utua</mark> lism			
	D. A cattle egret and a Cattle in a filed	IV. Commensalism			
	(1) A-I, B-II, C-IV, D-III (2) A-III, B-IV, (c-i, d-ii Resonance' Resonance			
	(3) A-II, B-III, C-I, D-IV (4) A-I, B-II, C-	III, D-IV			
Ans	(4)				
186.	Which of the following statements are correct ?				
	A. Basophils are most abundant cells of th	e total WBCs			
	B. Basophils secrete histamine, serotonin				
	C. Basophils are involved in inflammatory				
	D. Basophils have kidney shaped nucleus				
	E. Basophils are agranulocytes				
	Choose the correct answer from the options giv	an balawr			
	(1) C and E only (2) B and C only	(3) A and B only (4) D and E only			
ans					
87.	Match List I with List II.				
	List I	List II			
	A. Mast cells I.	Ciliated epithelium			
	B. Inner surface of bronchiole II.	Areolar connective tissue			
	C. Blood III.	Cuboidal epithelium			
	D. Tubular parts of nephron IV.	specialised connective tissue			
	Choose the correct answer from the options give below :				
	(1) A-II, B-III, C-I, D-IV (2) A-II, B-I, C-				
	(3) A-III, B-IV, C-II, D-I (4) A-I, B-II, C-	IV, D-III			
Ans	(2)				
	ting for better to				
188.	Select the correct statements.				
	A. Tetrad formation is seen during Leptote	ne.			
	B. During Anaphase, the centromeres spli				
	C. Terminalization takes place during Pacl				
	D. Nucleolus, Golgi complex and ER are re	'e' Wecenence' Wecenence			
	3	er chromatid of homologous chromosome.			
	Choose the correct answer from the options giv				
	(1) B and D only (2) A, C and E only	(3) B and E only (4) A and C only			
Ans	(1)				

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189.	In cockroach, excretion is brough	t about by-		
	A. Phallic gland			
	B. Urecose gland			
	C. Nephrocytes			
	D. Fat body			
	E. Collaterial glands			
	Choose the correct answer from t	the option <mark>s g</mark> iven below.:		
	(1) A, B and E only			
	(2) B, C and D only			
	(3) B and D only			
	(4) A and E only			
Ans	(2)			
	esonar			
190.	Given below are two statements:			
	Statement I: During Go phase of cell cycle, the cell is metabolically inactive.			
		ndergoes duplication during S phase of interphase. In the light of the		
		ost appropriate answer from the options given below:		
	(1) Both Statement I and Statement II are incorrect.			
	(2) Statement I is correct but Statement II is incorrect.			
	(3) Statement I is incorrect but Statement II is correct.			
	(4) Both Statement I and Stateme			
Ans	(3)			
191 .	Select the correct statements with	n reference to chordates.		
	A. Presence of a mid-dorsal, solid			
	B. Presence of closed circulatory system.			
	C. Presence of paired pharyngeal gillslits.			
	D. Presence of dorsal heart			
	E. Triploblastic pseudocoelomate animals.			
	Choose the correct answer from the options given below:			
	(1) B and C only	(2) B, D and E only		
	(3) C, D and E only	(4) A, C and D only		
Ans	(1)			
19 2.	Match List I with List II.			
	List I	List II		
	A. Logistic growth	I. Unlimited resource availability condition		
	B. Exponential growth	II. Limited resource availability growth		
	C. Expanding age pyramid	III. The percent individuals of pre-reproductive age is largest		
		followed by reproductive and post reproductive age groups		
	D. Stable age pyramid	IV. The percent individuals of pre-reproductives and		
		r <mark>epro</mark> ductive age group are same		
	Choose the correct answer from t	he options given below:		
	(1 <mark>) A-I</mark> I, B-III, C-I, D-IV	(2) A <mark>-II, </mark> B-IV, C-I, D-III		
	(3) A-II, B-IV, C-III, D-I	(4) A-II, B-I, C-III, D-IV		
Ans	(4)			

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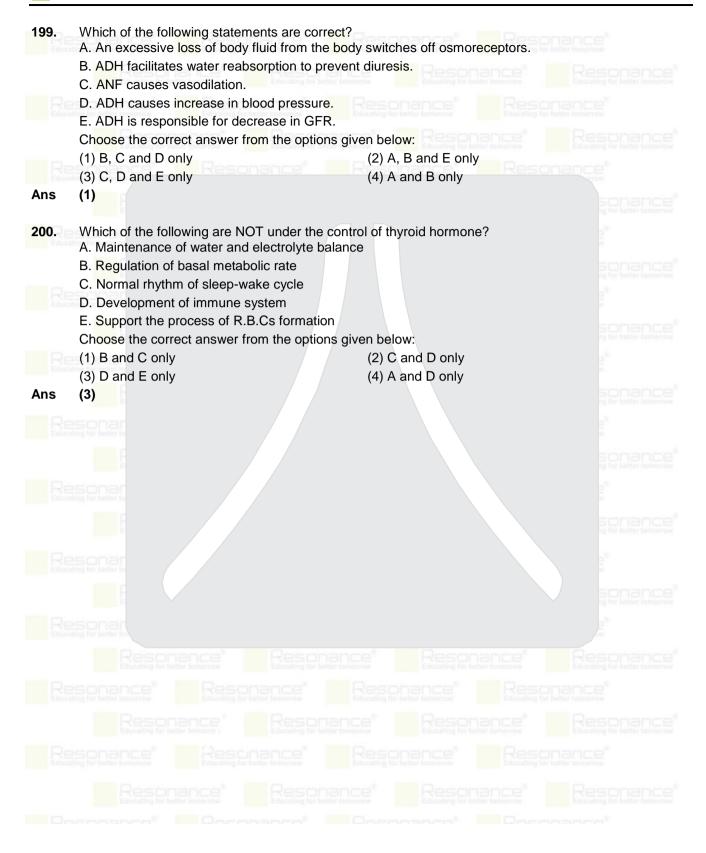
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193.	Which one of the following is the sequence on corresponding coding strand, if the sequence on mRNA				
	formed is as follows 5' AUCGAUCGAUCGAUCGAUCG AUCGAUCG 3'?				
	(1) 3' UAGCUAGCUAGCUAGCUA GCUAGC				
	(1) 5 UNGCUNGCUNGCUNGCUNGCUNG (2) 5' ATCGATCGATCGATCGATCG ATCGA				
	(3) 3' ATCGATCGATCGATCGATCG ATCGA				
	(4) 5' UAGCUAGCUAGCUAGCUA GCUAGC				
Ans					
<mark>19</mark> 4.	Which of the following is characteristic feature	e of cockroach regarding sexual dimorphism?			
	(1) Presence of anal styles				
	(2) Presence of sclerites				
	(3) Presence of anal cerci				
	(4) Dark brown body colour and anal cerci				
Ans	(1)				
<mark>19</mark> 5.	Which of the following statements are correct regarding skeletal muscle?				
	A. Muscle bundles are held together by collagenous connective tissue layer called fascicle.				
	B. Sarcoplasmic reticulum of muscle fibre is a store house of calcium ions.				
	 C. Striated appearance of skeletal muscle fibre is due to distribution pattern of actin and myosin proteins. D. M line is considered as functional unit of contraction called sarcomere. 				
	Choose the most appropriate answer from the options given below:				
	(1) B and C only (2) A, C and D only				
Ans	(1) B and C only (2) A, C and D only (1)				
	and V before to				
196.	The unique mammalian characteristics are:				
	(1) hairs, pinna and mammary glands				
	(2) hairs, pinna and indirect development				
	(3) pinna, monocondylic skull and mammary glands(4) hairs, tympanic membrane and mammary glands				
Ans	(4) hairs, tympanic memorane and manimary (1)	gianus			
AIIS	e so nar				
197.	Which one of the following is NOT an advanta	age of inbreeding?			
137.	(1) It exposes harmful recessive genes that a				
	(2) Elimination of less desirable genes and accumulation of superior genes takes place due to it.				
	(3) It decreases the productivity of inbred population, after continuous inbreeding.				
	(4) It decreases homozygosity.	nce" Resonance" Resonance"			
Ans	(3)				
R	esonance" Resonance et la contra la contra la contra la contra co				
198.	The parts of human brain that helps in regulati rage, fear etc. are:	on of sexual behaviour, expression of excitement, pleasure,			
	(1) Corpora quadrigemina & hippocampus	(2) Brain stem & epithalamus			
	(3) Corpus callosum and thalamus	(4) Limbic system & hypothalamus			
Ans	(4) Resonance' Resonar	nce" Resonance" Resonance"			

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