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NEET 2022

Questions, Answer Key & Solutions

Date: 17 July, 2022 | 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 duration and Test Booklet contains 200 multiple-choice questions (four options with a single correct answer) from Physics, Chemistry 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. (b) 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 S3. 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. 9. Use of white fluid for correction is NOT permissible on the Answer Sheet. 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) : Candidate's Signature: Invigilator'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 This solution was download from Resonance NEET 2022 Solution portal

			NEET-2022 DATE : 17-07-2022 BIG	DLOGY
Re	esonance [®] Res		ART : BIOLOGY n A (Biology : Botany)	1e ⁸ .
	Education for bottor tomorrow	Educating	Section-I	anting for better temperature
	ection contains 35 Single cho which Only One is correct.		Single Choice Type ons. Each question has 4 choices (1), (2), (3) and	(4) for its answer
101.	 (a) Secretion of secondary (b) Deposition of organic co (c) Deposition of suberin ar (d) Deposition of tannins, g 	metabolites ompounds l nd aromatic um, resin a a cells, fun	ary xylem is dark brown and resistant to insect at s and their deposition in the lumen of vessels. ike tannins and resin in the central layers of sten s substance in the outer layer of stem. and aromatic substance in the peripheral layers o ctionally active xylem elements and essential oils ne options given below. (2) (b) and (d) Only (4) (c) and (d) Only	n. SCHOOLE
102.	Dood the following stateme	nto and ab	pose the set of correct statements:	
Reference	(a) Euchromation is loosely (b) Heterochromatin is tran	packed ch scriptionally ped by neg e and argin ontain 400 l	romatin y active gatively charged DNA in nucleosome ine op of DNA helix	
Ans.	(4)		(1) (4); (6); (4) (1);	
Educ	ating for better to			
103. Ra	(1) The presence of chrome(2) Bright orange coloured(3) The process of extraction	ogenic subs bands of D on of separa	n not true regarding gel electrophoresis techniquestrate gives blue coloured DNA bands on the gel NA can be observed in the gel when exposed to ated DNA strands from gel is celled elution. stained by using ethidium bromide.	
104	Evented at an at arthropode		ada af	
104.	Exoskeleton of arthropods (1) Chitin (2)	Glucosam		
Ans.	(1) Educating for better temperature (2)	Shucosam		
	Match List – I with List- II.			
105.	Choose the correct answer	from the o	ption given below :	
	List – I			
	(a) Manganese	(i)	Activated the enzyme catalase	
	(b) Magnesium	onan(ii)	Required for pollen germination	
	(c) Boron	(iii)	Activated the enzyme respiration	
	(d) Iron	(iv)	Functions in splitting of water during photosymthesis	
Ans.	(1) (a) –(iv), (b)- (i), (c)-(ii), (3) (a) –(iii), (b)- (iv), (c)-(i), (4)		(2) (a) –(iii), (b)- (i), (c)-(ii), (d)-(iv) (4) (a) –(iv), (b)- (iii), (c)-(ii), (d)-(i)	

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To Know more : sms RESO at 56677 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in | CIN : U80302RJ2007PLC024029
Toll Free : 1800 258 5555 S 7340010333 F facebook.com/ResonanceEdu www.youtube.com/resonance.ac.in Cin : U80302RJ2007PLC024029

106. DNA polymorphism from the basis of (1) Both genetic mapping and DNA finger printing (2) Translation (3) Genetic mapping (4) DNA finger printing (4) DNA finger printing (4) DNA finger printing (5) The gaseous plant growth regulator is used in plants to : (1) help overcome apical dominance (2) kill dicoty ledonous weeds in the field. (3) speed up the mailing process (4) promote root growth and roothair formation to increase the absorption surface. 107. The gaseous plant growth and roothair formation to increase the absorption surface. Ans. (4) 108. Given below are two statements: Statement I : The primary CO: acceptor in C4 plants is phosphoenolpyruvate and found in the mesophyll cells. Statement I is mesophyll cells of C4 plants lack Rubisco enzyme in the light of the above statements, choose the corr answer from the option given below : (1) Statement I is incorrect but Statements II is incorrect (2) Statement I is incorrect but Statements II is incorrect (3) Both Statement I and Statements II is correct (4) Both Statement I and Statements II are correct (4) Both Statement I and Statements II are correct (1) Biodiversity loss (2) Natality (3) Population (4) Competition aphytohormones has resulted in this increased yield as the hormone is known produce female flowers the plants: (1) Ethylene (2) Cytokinin (3) ABA (4) Gibberellin Ans. (1) 110. The appearance of recombination nodules on homologous chromosome during meiosis characterize (1) Stes at which crossing over occurs (2) Terminalization (3) Synaptonemal complex (4) Bivalent Ans. (4) 112. Which one of the following is not a method of ex situ conversation? (1) Micropropagation (2) Cryopreservation (3) In vitro ferilization (2) Dejermickia (3) Rhizobium (4) Frankia Ans.				NEET-2022 DATE : 1	7-07-2022 BIOLOGY
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		NEET-2022 DATE : 17-07-2022 BIOLOGY			
114.	Which one of the following statements cann	ot be connected to predation?			
	(1) Both the interacting species are negatively impacted				
	(2) It is necessitated by nature to maintain the				
	(3) It helps in maintaining species diversity i				
	(4) It might lead to extinction of a species	nce' Resonance' Resonance'			
Ans.	(1)				
Re	sonance" Resonance"				
Educa		Educating for better tomorrow Educating for better tomorrow			
115.		atter present in the exhaust from a thermal power plant is:			
	(1) Electrostatic precipitator				
	(3) STP	(4) Incinerator			
Ans.	(1) better tomo				
116.	Identify the incorrect statement related to po	Illination			
	(1) Flowers produces foul odours to attract f				
	(2) Moths and butterflies are the most domin				
	(3) Pollination by water is quite rare in flowe				
	(4) Pollination by wind is more common am				
Ans.	(2)	sonance			
Educa	ting for better to				
117.	Which one of the following plants does not s				
	(1) Buttercup (2) Maize	(3) Cotton (4) Coriander			
Ans.	(2)				
118.	What amount of energy is released from glu	cose during lactic acid fermentation?			
	(1) About 10%	(2) Less 7 %			
	(3) Approximately 15%	(4) More than 18%			
Ans.	(2)				
119.	"Cirdling Experiment" was performed by pla	nt physiologists to identify the plant tissue through which :			
119.	(1) for both water and food transportation				
		(2) osmosis is observed			
Anc	(3) water is transported (4)	(4) food is transported			
Ans.	(4)				
120.	Which one of the following plants shows ver	cillary aestivation and diadelphous stamens?			
	(1) Allium cepa	(2) Solanum nigrum			
	(3) Colchicum autumnale	(4) Pisum sativum			
Ans.	(4)				
121.	Read the following statements about the var	scular hundles:			
121.26		undle are arranged in an alternate manner along the different			
	radii	andle are alranged in an alternate manner along the different			
	(b) Conjoint closed vascular bundles do not	nosses cambium			
	(c) In open vascular bundle cambium is pres				
	(d) The vascular bundle of dicotyledonous s				
	(e) In monocotyledonous root, usually there				
	Choose the correct answer from the option				
	(1) (a), (b) (c) and (d) Only	Educating for better tomorrow			
	(2) (a), (c) (d) and (e) Only				
	(3) (a), (b) and (c) Only				
	(4) (b), (c) (d) and (e) Only				
Ans.	(4) (b), (c) (d) and (e) Only (4)				
AII3.	(T)				

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		NEET-2022 DATE : 17-07-2022 BIOLOGY
122.	Which one of the following never occurs d	uring mitotic cell division?
	(1) Pairing of homologous chromosomes	5
	(2) Coiling and condensation of the chrom	atids
	(3) Spindle fibres attach to kinetochores of	chromosome
	(4) Movement of centrioles towards oppos	ite poles
Ans.	(1)	
123.	Civen below are statemente	
123.	Given below are statements	
	Cleistogamous flowers are invariable auto	
	Statement II :	
	Cleistogamy is disadvantageous as there i	s no chance for crose pollination
	In the light of the above statements, choos	e the correct answer from the option gives below : the balance
	(1) Statements I is correct but Statements	
	(2) Statements I is incorrect but Statement	
	(3) Both Statements I and Statements II and	
Ano	(4) Both Statements I and Statements II ar	e incorrect
Ans.		
124.	Identify the correct set of statements	
	(a) The leaflets are modified into pointed h	ard thorns in Citrus and Bougainvillea
	(b) Axillary buds form slender and spirally	
		and and modified to perform the function of leave
		owing roots that help to get oxygen for respiration?
		and strawberry help in vegetative propagation
	Choose the correct answer from the optior (1) (b), (c), (d) and (e) Only	is given below .
	(2) (a), (b), (d) and (e) Only	
	(3) (b) and (c) Only	
	(4) (a) and (d) Only	
Ans.	(1) Stiller to	
405		
125.	XO type of sex determination can be found	
	(1) Grasshoppers(3) Drosophila	(2) Monkeys (4) Birds
Ans.	(1)	(4) bilds
/		
100	esonal	
126.	Hydrocolloid carrageen is obtained from: (1) Rhodophyceae only	
	(2) Phaeophyceae only	
	(3) Chlorophyceae and Phaeophyceae	
	(4) Phaeophyceae and Rhodophyceae	
Ans.	(1)	
127.	Which of the following is not observed duri	ng apoplastic pathway?
Educ	(1) The movement is aided by cytoplasmic	
	(2) Apoplast is continuous and does not pr	
	(3) Movement of water occurs through inte	rcellular sp <mark>aces</mark> and wall of the cells
	(4) The movement does not involve crossi	ng of cell membrane
Ans.	(1)	

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			NEET-2022 DATE	: 17-07-2022 BIOLOGY
128.	Assertion (A) an	two statements: one is la d the other is labelled Re		Pagapaga
	Statement A:	Educating for better tomorrow	Educating for better tomorrow	
	Reason (R): The			arker to check transformation
	(1) (A) is correct	but (R) is not correct ect but (R) is correct		
	(3) Both (A) and ((R) are correct and (R) is	the correct explanation of not the correct explanation	
Ans.	(4) nance			
129.	Which one of the	following is not true re	arding the release of on	oray during ATP synthesis through
129.	chemiosmosis? If			ergy during ATP synthesis throug
		protons across the mem		E.
	(2) Reduction of I (3) Breakdown of		stroma side of the membr	ane sonance'
		electron gradient		
Ans.	(4)			
130.	Th <mark>e flo</mark> wers are Z	Lygomorphic in:		
	(a) Mustard			
	(b) Gulmohar (c <mark>) Ca</mark> ssia			
	(d) Datura			
	(e) Chilly			
		ct answer from the optio		**
	(1) (d), (e) Only (3) (a), (b), (c) Or	nlv	(2) (c), (d), (e) Only (4) (b), (c) Only	SONANCE*
Ans.	(4)	.,	(1) (1), (1),	
131.	Given below are	two statements:		
	Statement I : Mendel studied s	even pairs of contrasting	traits in pea plants and pr	oposed the Laws of Inheritance
	Statement II:	even pairs of contrasting		oposed the Laws of mineritance
				plants were seed shape and colou
			er position and stem heigh se the correct answer from	
	e	correct but Statement II		The options given below
	(2) Statement I is	incorrect but Statement	II is correct	
		nt I and Statement II are		
Ans.	(4) Deth Stateme	nt I and Statement II are		
Educa	iting for better tomorrow			
132.	W <mark>hat i</mark> s the net ga ?	ain of ATP <mark>whe</mark> n each mo	blecule of glu <mark>cos</mark> e is conve	rted to two <mark>mole</mark> cules of pyruvic ac
	(1) Two	(2) Eight	(3) Four	(4) six
Ans.	(2) Resona			

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<u>133</u> .	Given below are two statements:
	Statement I:
	Decomposition is a process in which the detritus is degraded into simpler substances by microbes Statement II:
	Decomposition is faster if the detritus is rich in lignin and chitin
	In the light of the above statements, choose the correct answer from the options given below:
	(1) Statement I is correct but Statement II is incorrect
	(2) Statement I is incorrect but Statement II is correct Resonance Resonance
	(3) Both Statement I and Statement II are correct
	(4) Both Statement I and Statement II are incorrect
Ans.	
Sol.	
134.	The process of translation of mRNA to proteins begins as soon as
	(1) Both the subunits join together to bind with mRNA
	(2) The RNA is activated and the larger subunit of ribosome encounters RNA
	(3) The small subunit of ribosome encounters mRNA
	(4) The larger subunit of ribosome mRNA
Ans.	
135 .	Which of the following is incorrectly matched?
	(1) Porphyra - Floridian Starch
	(2) Volvox - Starch
	(3) Ectocarpus - Fucoxanthin
	(4) Ulothrix - Mannitol
Ans.	(4)
	Section B (Biology : Botany)
	Section B (Biology : Botally)
	Section-II
	Single Choice Type
	ection contains 15 Single choice questions. Each question has 4 choices (1), (2), (3) and (4) for its answer
out of	which Only One is correct.
136.	Given below are two statements: one is labelled as Assertion (A) and the other is labelled as Reason (R)
150.	Assertion (A):
	Mendel's law of Independent assortment does not hold good for the genes that are located closely on the
	same chromosome.
	Reason (R): Closely located genes assort independently.
	In the light of the above statements, choose the correct answer from the options given below:
	(1) (A) is correct but (R) is not correct
	(2) (A) is not correct but (R) is correct
	(3) Both (A) and (R) are correct and (R) is the set of Resonance Resonance Resonance
	correct explanation of (A) (4) Both (A) and (R) are correct but (R) is not the correct explanation of (A)
Ans.	(4) Both (A) and (R) are correct but (R) is not the correct explanation of (A)
AII3.	

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Tol

		DLOGY	
137.	Which part of the fruit, labelled	in the given figure makes it a false fruit?	
		ance C ince' Resonance Resonance' Resonance	
Ans.	(1) <mark>C→</mark> Thalamus (2) <mark>D-</mark> (1)	→Seed (3) A→ Mesocarp (4) B→ Endo	carp
R	esonance" Reson	ance"Resonance"Resonance	
138.	(1) Weathering of rocks(3) Burning of fossil fuels	accelerate phosphorus cycle ? (2) Rain fall and storms (4) Volcanic activity	
Ans.			
139.	The entire fleet of buses in Del the following statements is fals (1) It is cheaper than diesel (2) It can not be adulterated lik (3) CNG burns more efficiently	e diesel	is, which one o
Ans.	(4) The same diesel engine is (4)	used in CNG buses making the cost of conversion low	
140. R	What is the role of large bundle (1) To enable the plant to toler (2) To protect the vascular tiss (3) To provide the site for phot	ue from high light intensity	plants?
	(4) To increase the number of	chloroplast for the operation of Calvin cycle	
Ans.	(1)		
141.	Transposons can be used duri (1) Autoradiography (3) Polymerase Chain Reaction	(2) Gene sequencing	
Ans.			
142. R	(1) Haemophilia	due to the presence of autosome linked dominant trait? (2) Thalessemia	
Ans.	(3) Sickle cell anaemia (4)	(4) Myotonic dystrophy	
143.	Match List –I with List –II		
	List –I tomorrow	The List II Educating for better tomorrow Educating for better tomorrow	
	(a) Metacentric	(i) Centromere situated close to the end forming one e and one very long arms	extremely short
	 (b) Acrocentric chromosome (c) Submetacentric (d) Telocentric chromosome 	 (ii) Centromere at the terminal end (iii) Centromere in the middle forming two equal arms (iv) Centromere slightly away form the middle forming and one longer arm 	
		m the options given below: , (d) – (i) (2) (a) – (i), (b) – (ii), (c) – (iii), (d) – (iv	
Ans.	(3) (a) – (iii), (b) – (i), (c) – (iv), (3)	(d) - (ii) (4) (a) - (i), (b) - (iii), (c) - (ii), (d) - (iv)	/)
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	NEET-2022	DATE : 17-07-2022 BIOLOGY			
Read the following statements	on lipid and find out correct se	et of statements			
(a) Lecithin found in the plasma membrane is a glycolipid					
	Contraction of the March Street Street Street				
	er tomorrow. Educating for better tom	Educating for better tomorrow			
Hocoporto		accorrection l'accorrection			
	Educating for better tomorro (4) (a), (d) a	and (e) only the second s			
sunanc <u>e" Reson</u>					
Addition of more solutes in a g	von colution will:				
-		st the water petertial et all ing for better tomorrow			
		ct the water potential at all			
ating for better to	(4) lower its	s water potential			
(4)					
Match the plant with the kind of life cycle it exhibits:					
(a <mark>) Spi</mark> rogyra	(i) Dominant diploid sporoph	nytes vascular plant, with highly reduced			
	male of female gametophyte	e			
(b) Ferm	(ii) Dominant haploid free-liv	ving gametophyte called prothallus			
(c <mark>) Funa</mark> ria	(iii) Dominant diploid sporop	bhyte alternating with reduced gametophyte			
	called prothallus				
(d) Cycas	(iv) Dominant haploid leafy	gametophyte alternating with partially			
ating for better to	dependent multicellular spo	rophyte			
Choose the correct answer fro		sonance"			
		, (b) – (iv), (c) – (i), (d) – (iii)			
		(b) - (iii), (c) - (iv), (d) - (i)			
		(1)			
(-)					
While explaining interspecific i	(+)	ion is assigned for beneficial interaction (-)			
		-			
	mpetition (3) Predatic	on (4) Amensalism			
Educating for better tomorrow		icating for better tomorrow. Educating for better tomorrow.			
		TC3'; 3'CATAAG5			
	(4) 5'GAAT	TC3'; 3 <mark>' CT</mark> TAAG5			
(4) Resonance'					
If a geneticist uses the blind a	pproach fo <mark>r se</mark> quencing the v	whole g <mark>eno</mark> me of an organism, followed by			
assignment of function to differ	ent segments, the methodolog	gy adop <mark>ted</mark> by him is called as:			
•					
(1) Expressed sequence tags	(2) Bioinfor	matics			
(1) Expressed sequence tags(3) Sequence annotation	(2) Bioinfori (4) Gene m				
	Read the following statements (a) Lecithin found in the plasma (b) Saturated fatty acids posses (c) Gingely oil has lower melting (d) When fatty acid is esterified Choose the correct answer from (1) (c), (d) and (e) only (3) (a), (b) and (c) only (1) Addition of more solutes in a gi (1) make its water potential ze (3) raise its water potential (4) Match the plant with the kind of List-I (a) Spirogyra (b) Ferm (c) Funaria (d) Cycas Choose the correct answer fro (1) (a) – (iii), (b) – (iv), (c) – (i), (3) (a) – (iv), (b) – (i), (c) – (ii), (4) While explaining interspecific ir sign is assigned for detriment interactions can be assigned (+ (1) Commensalism (2) Con (3) In the palindromic base sequent (1) 5 CTCAGT3'; 3'GAGTCAS (3) 5GATACT3'; 3'CTATGA5' (4)	Read the following statements on lipid and find out correct state(a) Lecithin found in the plasma membrane is a glycolipid(b) Saturated fatty acids posses one or more C=C bonds(c) Gingely oil has lower melting point, hence remains as oil(d) When fatty acid is esterified with glycerol, monoglycerideChoose the correct answer from the options given below :(1) (c), (d) and (e) only(2) (a), (b) at(3) (a), (b) and (c) only(4) (a), (d) at(1)Addition of more solutes in a given solution will:(1)(1)Match the plant with the kind of life cycle it exhibits:List-I(a) Spirogyra(i) Dominant diploid sporoph male of female gametophyte(b) Ferm(ii) Dominant diploid sporoph male of female gametophyte(c) Funaria(iii) Dominant haploid ree-liv(d) Cycas(iv) Dominant haploid leafy dependent multicellular spo(d) Cycas(iv) Dominant haploid leafy dependent multicellular spo(d) Cycas(iv), (c) - (ii), (d) - (iii)(d) (a) - (iv), (b) - (iv), (c) - (ii), (d) - (iii)(f) a) (a) - (iv), (b) - (i), (c) - (ii), (d) - (iii)(g) as assigned for detrimental interaction and (0) for r interactions can be assigned (+) for one species and (-) for at (1) Commensalism(f) Commensalism(f) SGATACT3'; 3'GAGTCAS(g) SGATACT3'; 3'CTATGA5'(h) S'GAAT			

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			NEET-2022 D	DATE : 17-	07-2022 BIOLOGY	
150.	The anatomy of springwood		-			
	springwood.					
	(a) It is also called as the early wood					
	(b) In spring season cambiu		elements with r	narrow ves	sels	
	(c) It is lighter in colour	Educating for better tom	Educa	ting for better tomo	rrow Educating for better tomorro	
	(d) The springwood along wi	th autumn wo <mark>ods</mark> h	ows alternate o	concentric r	ings forming annual rings	
	(e) It has lower density		iows alternate c		ings forming annual migs	
	Choose the correct answer f	rom the options ai	von hol <mark>ow:</mark>			
) and (a) O	Educating for better tomorro	
	(1) (a), (b) and (d) Only		(2) (c) (d), (d)			
Eave	(3) (a), (b), (d) and (e) Only		(4) (a), (c), (c	a) and (e) C	Jniy	
Ans.	(4)					
		Section A	(Biology : Zo	oology)		
Educ	cating for better to	Sec	ction-l		Ŵ	
			hoice Type			
	ectio <mark>n co</mark> ntains 35 Single choi	:e questions. Eac	h question has	4 choices (1), (2), (3) and (4) for its ans	
out of	which Only One is correct.				1 m	
151.	Which of the following stater	nents are true for s	spermatogenesi	is but do no	ot hold true for Oogenesis?	
	(a) It results in the formation	of haploid gamete	s			
	(b) Differentiation of gamete					
	(c) Meiosis occurs continuou					
	(d) It is controlled by the Lut	einising hormone ((LH) and Follicle	e Stimulatir	ng Hormone (PSH) secrete	
	the anterior pituitary					
	(e) It is initiated at puberty Choose the most appropriate	answer from the	ontions given h	elow:		
	(1) (b), (d) and (e) only		(2) (b), (c) an			
	(3) (c) and (e) only		(4) (b) and (c			
Ans.	(3)		() () - (- (-			
152.	Given below are two stateme	ents:				
	Statement I:					
	Fatty acids and glycerols car	not be absorbed i	nto the blood.			
	Statement II:	rice celled lected		orono into h	mphotic vessels and	
	Specialized lymphatic capilla ultimately into the blood.	nes calleu lacleai:	s carry chylonic		Inpliatic vessels and	
	In the light of the above state	ments choose th	e most appropr	iate answe	r from the options given be	
	(1) Statement I is correct but				i nom ale optione given be	
	(2) Statement I is incorrect b					
	(3) Both Statement I and Sta					
	(4) Both Statement I and Sta	tement II are inco	rrect			
Ans.	e (3) nance 🚽 Resc					
153.	Breeding crops with higher le	evels of vitamins a	nd minerals or I	hiaher prote	eins and healthier fats is ca	
	(1) Bio-fortification (2)					
			Deconanc		Pesonance	
Ans.						
Ans.						
	cating for better Iomorrow	better tomorrow	a divet e <mark>en n</mark> et bi	المعالمة منام		
Ans. 154.	In <mark>an E</mark> .coli strain i gene gets			ind the indu	icer mo <mark>lecu</mark> le. If growth med	
	In <mark>an E</mark> .coli strain i gene gets is provided with lactose, wha	t will be the outco	me?			
	In an E.coli strain i gene gets is provided with lactose, what (1) z, y, a genes will not be t	t will be the outcom anslated	me? (2) RNA poly	meras <mark>e w</mark> il	I bind the promoter region	
	In <mark>an E</mark> .coli strain i gene gets is provided with lactose, wha	t will be the outcom anslated	me?	meras <mark>e w</mark> il	I bind the promoter region	

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		NEET-2022 DATE : 17-07-2022 BIOLOGY
155.	Which of the following is present betwee (1) Areolar tissue (2) Smooth mu	en the adjacent bones of the vertebral column ? Iscle (3) Intercalated discs (4) Cartilage
Ans.	e (4) nance de Resionance	Educating for better tomorrow
450	Educating for better tomorrow Educating for	
156.	Given below are two statements: Statement 1:	
	Autoimmune disorder is a condition whe foreign bodies. Statement II: Rheumatoid arthritis is a condition wher	ere body defense mechanism recognizes its own cells as re body does not attack self cells. oose the most appropriate answer from the options given below
	(1) Statement I is correct but Statement	
	(2) Statement I is incorrect but Stateme	
	(3) Both Statement I and Statement II a(4) Both Statement I and Statement II a	
Ans.	(1)	
157.	At which stage of life the engenesis pro	
Re	At which stage of life the oogenesis pro (1) Birth	(2) Adult
	(3) Puberty	(4) Embryonic development stage
Ans.	(4)	Sonance*
158.	Select the incorrect statement with refer	rence to mitosis:
150.	(1) Chromosomes decondense at telop	
	(2) Splitting of centromere occurs at an	
	(3) All the chromosomes lie at the equa	tor at metaphase.
	(4) Spindle fibres attach to centromere	of chromosomes.
Ans.	(4)	
159.	In-situ conservation refers to:	
133.	 (1) Conserve only endangered species (3) Protect and conserve the whole eco 	
Ans.	(4)	system (4) conserve only high lisk species
7 4101		
100	W/bish of the following functions is not a	performed by exerctions from collivery alanda?
160.	(1) Lubrication of oral cavity	performed by secretions from salivary glands? (2) Digestion of disaccharides
	(3) Control bacterial population in mouth	
Ans.	(2)	
	ating for better to	
161.	As <mark>sert</mark> ion (A):	labelled as Assertion (A) and the other is labelled as Reason (R
	Reason (R):	ased bone mass and increased chances of fractures.
	Common cause of osteoporosis is incre	
	(1) (A) is correct but (R) is not correct	oose the most appropriate answer from the options given below
	(2) (A) is not correct but (R) is correct	Educating for better tomorrow
	(3) Both (A) and (R) are correct and (R)(4) Both (A) and (R) are correct but (R)	
Ans.	(4) Both (A) and (R) are correct but (R) (1)	

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		Ð	NEET-2022 DATE :	17-07-2022 BIOLOGY
162.	Given below are tw	o statements:		
	Statement I: The coagulum is fo Statement II:	rmed of network of thre	ads called thrombins.	
	Sp <mark>leen</mark> is the grave	yard of e <mark>ryth</mark> rocytes in t from the options given	the light of t <mark>he a</mark> bove state	ments, choose the most
	(1) Statement I is control (2) Statement I is in	orrect but Statement II i correct but Statement I	s incorrect	
		I and Statement II are of I and Statement II are i		
Ans.	e (2) nance			
163.	Gi <mark>ven</mark> below are tw Statement I:			
	Statement II:	ass through less than 1	micron filter size.	
				wer from the options given below:
	(2) Statement I is in (3) Both Statement	correct but Statement I I and Statement II are of	l is correct correct	
Ans.	(4) Both Statement (1)	I and Statement II are i	ncorrect	
164.	Togmina in cockros	ch aricas from:		
104.	Tegmina in cockroa (1) Metathorax - (3) Prothorax	ch, anses nom.	(2) Prothorax and M (4) Mesothorax	esothorax
Ans.	(4)		(),	
165.	Given below are tw (R).	o statements: one is la	belled as Assertion (A) an	d the other is labelled as Reason
		rtebrates are chordates	s but all chordates are not v	vertebrates.
	Notochord is replace In the light of the at	ove statements, choos	in the adult vertebrates e the most appropriate ans	wer from the options given below:
	(1) (A) is correct bu(2) (A) is not correct	t but (R) is correct		
			the correct explanation of (not the correct explanation	
Ans.	(4)			
166.	Nitrogenous waste	is excret <mark>ed i</mark> n the form (2) Pavo	of pellet or paste by: (3) Ornithorhynchus	(4) Salamandra
Ans.	(1) hippocampus (2)			
167.		tion links two glucose is the formula for malto		Itose. If the formula for glucose is
Ans.	(1) $C_{12}H_{22}O_{11}$ (1)	(2) C ₁₂ H ₂₄ O ₁₁	(3) C ₁₂ H ₂₀ O ₁₀	(4) C12H24O12
	Educating for better to			

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		NEET-2022 DATE	E : 17-07-2022 BIOLOGY				
168.	 Regarding Meiosis, which of the statements is incorrect? (1) Pairing of homologous chromosomes and recombination occurs in Meiosis-I (2) Four haploid cells are formed at the end of Meiosis-II (3) There are two stages in Meiosis, Meiosis-I and II (4) DNA replication occurs in S phase of Meiosis-II 						
Ans.	(4) esonance Resor	ance" Resonance"					
169.	Under normal physiological conditions in human being every 100 ml of oxygenated blood can del						
Ans.	(1) 4 ml (2) 10 (4)) ml (3) 2 ml	(4) 5 ml				
170. R	Given below are two statements Statement I: The release of sperms into the seminiferous tubules is called spermiation. Statement II: Spermiogenesis is the process of formation of sperms from spermatogonia In the light of the above statements, choose the most appropriate answer from the options given below: (1) Statement I is correct but Statement II is incorrect (2) Statement I is incorrect but Statement II is correct (3) Both Statement I and Statement II are correct (4) Both Statement I and Statement II are incorrect						
Ans.							
171.	 In the taxonomic categories which hierarchical arrangement in ascending order is correct in case or animals? (1) Kingdom, Order, Class, Phylum, Family, Genus, Species (2) Kingdom, Order, Phylum, Class, Family, Genus, Species (3) Kingdom, Phylum, Class, Order, Family, Genus, Species (4) Kingdom, Class, Phylum, Family, Order, Genus, Species 						
Ans.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
172.	Identify the microorganism wh cyclosporin A: (1) <i>Aspergillus niger</i> (3) <i>Trichoderma polysporum</i>	ich is responsible for the production (2) Streptococcus (4) Clostridium bu	s cerevisiae				
Ans.	(3) (3)	(4) 0103111111111	ing for better tomorrow				
173. Re	Lip <mark>pe'</mark> s loop is a type of contra (1) Non-Medicated IUD (3) Cervical barrier	aceptive used as: (2) Copper releas (4) Vault barrier					
Ans.	(1) Resonance						
174.	If the length of a DNA molecul	e is 1.1 met <mark>res,</mark> what will be the app	ro <mark>xim</mark> ate number of base pairs?				
	(1) 3.3×10 ⁶ bp	(2) 6.6 ×10 ⁶ bp					
	(3 <mark>) 3.3</mark> x 10 ⁹ bp	(4) 6. <mark>6 ×</mark> 10 ⁹ bp					
Ans.	(3)						

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Humification hich of the follow Cartilage hich of the follow Myasthenia gra Muscular dystro Arthritis - Inflam Tetany high Ca ² hich of the follow In prokaryotes of RER has riboso	 (2) Decomposition ing is not a connective tis (2) Neuroglia ing is a correct match for vis Genetic disorder resule phy - An auto immune disered joints ²⁺ level causing rapid spanning statements with respectively RER are present imes attached to ER Adenosine Deaminase (A 	(3) Blood disease and its symptom Iting in weakening and pa sorder causing progressiv	(4) Fragmentation (4) Adipose tissue (4) Adipose tissue s? ralysis of skeletal muscle ve degeneration of skeletal muscle
hich of the follow Cartilage North of the follow Myasthenia gra Muscular dystro Arthritis - Inflam Tetany high Ca ² North of the follow In prokaryotes of RER has riboso	ing is not a connective tis (2) Neuroglia ing is a correct match for vis Genetic disorder resul ophy - An auto immune dis med joints ²⁺ level causing rapid spa ing statements with respe only RER are present mes attached to ER	(3) Blood disease and its symptom ting in weakening and pa sorder causing progressiv sms. ect to Endoplasmic Reticu (2) SER are the sites (4) SER is devoid of	(4) Adipose tissue s? ralysis of skeletal muscle re degeneration of skeletal muscle lum is incorrect? s for lipid synthesis
Cartilage hich of the follow Myasthenia gra Muscular dystro Arthritis - Inflam Tetany high Ca ² hich of the follow In prokaryotes of RER has riboso	 (2) Neuroglia ing is a correct match for vis Genetic disorder resul ophy - An auto immune dis med joints ²⁺ level causing rapid spa ing statements with respectively RER are present mes attached to ER Adenosine Deaminase (A 	 (3) Blood disease and its symptom lting in weakening and pa sorder causing progressive sms. ect to Endoplasmic Reticut (2) SER are the sites (4) SER is devoid of 	s? ralysis of skeletal muscle re degeneration of skeletal muscle lum is incorrect? s for lipid synthesis
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hich of the follow Myasthenia gra Muscular dystro Arthritis - Inflam Tetany high Ca ² hich of the follow In prokaryotes of RER has riboso	ing is a correct match for vis Genetic disorder resul phy - An auto immune dis med joints ²⁺ level causing rapid spa ing statements with respe only RER are present mes attached to ER Adenosine Deaminase (A	disease and its symptom lting in weakening and pa sorder causing progressiv sms. ect to Endoplasmic Reticu (2) SER are the sites (4) SER is devoid of	s? ralysis of skeletal muscle re degeneration of skeletal muscle lum is incorrect? s for lipid synthesis
Myasthenia gra Muscular dystro Arthritis - Inflam Tetany high Ca ² nich of the follow In prokaryotes of RER has riboso	vis Genetic disorder result ophy - An auto immune dia med joints 2+ level causing rapid spa ing statements with respe- only RER are present mes attached to ER Adenosine Deaminase (A	Iting in weakening and pa sorder causing progressiv sms. ect to Endoplasmic Reticu (2) SER are the sites (4) SER is devoid of	ralysis of skeletal muscle ve degeneration of skeletal muscle lum is incorrect? s for lipid synthesis
Myasthenia gra Muscular dystro Arthritis - Inflam Tetany high Ca ² nich of the follow In prokaryotes of RER has riboso	vis Genetic disorder result ophy - An auto immune dia med joints 2+ level causing rapid spa ing statements with respe- only RER are present mes attached to ER Adenosine Deaminase (A	Iting in weakening and pa sorder causing progressiv sms. ect to Endoplasmic Reticu (2) SER are the sites (4) SER is devoid of	ralysis of skeletal muscle ve degeneration of skeletal muscle lum is incorrect? s for lipid synthesis
Myasthenia gra Muscular dystro Arthritis - Inflam Tetany high Ca ² nich of the follow In prokaryotes of RER has riboso	vis Genetic disorder result ophy - An auto immune dia med joints 2+ level causing rapid spa ing statements with respe- only RER are present mes attached to ER Adenosine Deaminase (A	Iting in weakening and pa sorder causing progressiv sms. ect to Endoplasmic Reticu (2) SER are the sites (4) SER is devoid of	ralysis of skeletal muscle ve degeneration of skeletal muscle lum is incorrect? s for lipid synthesis
In prokaryotes of RER has riboso gene therapy of netically enginee	only RER are present mes attached to ER Adenosine Deaminase (A	(2) SER are the sites (4) SER is devoid of	s for lipid synthesis
In prokaryotes of RER has riboso gene therapy of netically enginee	only RER are present mes attached to ER Adenosine Deaminase (A	(2) SER are the sites (4) SER is devoid of	s for lipid synthesis
In prokaryotes of RER has riboso gene therapy of netically enginee	only RER are present mes attached to ER Adenosine Deaminase (A	(2) SER are the sites (4) SER is devoid of	s for lipid synthesis
RER has riboso pene therapy of netically enginee	mes attached to ER Adenosine Deaminase (A	(4) SER is devoid of	
gene therapy of a	Adenosine Deaminase (A		
netically enginee		DA) deficiency, the patier	
netically enginee		DA) deficiency, the patier	
Retroviral vecto	om patient's blood are gro ineered lymphocytes are r is introduced into these	e: own in culture, outside the not immortal cells lymphocytes.	ng for beller tomorrow
tural selection w aracter value, lea		quire specific character va	alue other than the mean
Disruptive chan	ge	(2) Random change	
Stabilising chan	ge	(4) Directional chang	ie ng for better tomorrow
en below are tw	o statements:		
ntement I: Restr	iction endonucleases rec	ognise specific sequence	to cut DNA known as palindromic
cleotide sequ <mark>enc</mark>	e. ducating for better tomorrow		
indromic site. Ir	the light of the above s		
Detter Idmorrow			
	Stabilising chan en below are tw tement I: Restr leotide sequend tement II: Res indromic site. In ions given below Statement I is c Statement I is ir Both Statement	Stabilising change en below are two statements: tement I: Restriction endonucleases rec eleotide sequence. tement II: Restriction endonucleases of indromic site. In the light of the above s ions given below: Statement I is correct but Statement II is Statement I is incorrect but Statement II is Both Statement I and Statement II are in Both Statement I and Statement II are in	Stabilising change (4) Directional change en below are two statements: tement I: Restriction endonucleases recognise specific sequence cleotide sequence. tement II: Restriction endonucleases cut the DNA strand a life indromic site. In the light of the above statements, choose the r

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		NEET-2022 DAT	E:17-07-2022	BIOLOGY
If '8' Drosophila in a laboratory	population of	80' died during a we	ek, the death rate	in the population is
individuals per Drosophila per	week.			
(1) 1.0 (2) ze	ro	(3) 0.1	(4) 10	
(3) Resonance Educating for better tomorrow				
In which of the following anima	als, digestive tra	act has additional ch	ambers like crop a	nd gizzard?
(1) Catla, Columba, Crocodilus	Resonar	(2) Pavo, Psittad	ula, Corvus	Resonance*
(3 <mark>) Co</mark> rvus, Columba, Cham <mark>el</mark>	eon	(4) Bufo, Balaen	optera, Banga <mark>rus</mark>	
(3) nance Reson				
Identify the asexual reproducti	ve structure as	sociated with Penicil	llium:	
(1) Gemmules (2) Bu	lds	(3) Zoospores	(4) Conidia	a
(4)				
Which of the following is not th	e function of c	onducting part of res	piratory system?	
ting for better to				
	-			
		2		
(4) Inhaled air is humidified	5.			
(0)				
(2)				
	ection B (B	iology : Zoology	/)	
		iology : Zoology	/)	ng for better tomorrow
	Se	ection-II	1)	eg for better tomorrow
	Se Single	ection-II Choice Type	·	
ection contains 15 Single choice	Se Single	ection-II Choice Type	·	nd (4) for its answer,
	Se Single	ection-II Choice Type	·	nd (4) for its answer,
ection contains 15 Single choice which Only One is correct.	Se Single questions. Ea	ection-II Choice Type ach question has 4 ch	·	and (4) for its answer,
ection contains 15 Single choice which Only One is correct. Which of the following stateme	Se Single questions. Ea	ection-II Choice Type ach question has 4 ch	·	nd (4) for its answer,
ection contains 15 Single choice which Only One is correct. Which of the following stateme (1) Homology indicates comm	Se Single questions. Ea ents is not true?	ection-II Choice Type ach question has 4 ch	noices (1), (2), (3) a	and (4) for its answer,
ection contains 15 Single choice which Only One is correct. Which of the following stateme	Se Single questions. Ea ents is not true? on ancestry olphins are a p	ection-II Choice Type ach question has 4 ch	noices (1), (2), (3) a	nd (4) for its answer,
ection contains 15 Single choice which Only One is correct. Which of the following stateme (1) Homology indicates common (2) Flippers of penguins and d	Se Single questions. Ea ents is not true? on ancestry olphins are a p result of conve	ection-II Choice Type ach question has 4 ch air of homologous or ergent evolution	noices (1), (2), (3) a	and (4) for its answer,
ection contains 15 Single choice which Only One is correct. Which of the following stateme (1) Homology indicates commu (2) Flippers of penguins and de (3) Analogous structures are a (4) Sweet potato and potato is	Se Single questions. Ea ents is not true? on ancestry olphins are a p result of conve	ection-II Choice Type ach question has 4 ch air of homologous or ergent evolution	noices (1), (2), (3) a	Ind (4) for its answer,
ection contains 15 Single choice which Only One is correct. Which of the following stateme (1) Homology indicates comme (2) Flippers of penguins and de (3) Analogous structures are a (4) Sweet potato and potato is (2)	Se Single questions. Ea ents is not true? on ancestry olphins are a p result of conve an example of	ection-II Choice Type ach question has 4 ch air of homologous or ergent evolution analogy	noices (1), (2), (3) a	and (4) for its answer,
Section contains 15 Single choice which Only One is correct. Which of the following stateme (1) Homology indicates comme (2) Flippers of penguins and de (3) Analogous structures are a (4) Sweet potato and potato is (2) Which of the following are not	Se Single e questions. Ea ents is not true? on ancestry olphins are a p result of conve an example of the effects of F	ection-II Choice Type ach question has 4 ch air of homologous or ergent evolution analogy	noices (1), (2), (3) a	Ind (4) for its answer,
ection contains 15 Single choice which Only One is correct. Which of the following stateme (1) Homology indicates comme (2) Flippers of penguins and de (3) Analogous structures are a (4) Sweet potato and potato is (2) Which of the following are not (a) Stimulates the process of b	Se Single e questions. Ea ents is not true? on ancestry olphins are a p result of conve an example of the effects of F	ection-II Choice Type ach question has 4 ch air of homologous or ergent evolution analogy	noices (1), (2), (3) a	Ind (4) for its answer,
ection contains 15 Single choice which Only One is correct. Which of the following stateme (1) Homology indicates comme (2) Flippers of penguins and de (3) Analogous structures are a (4) Sweet potato and potato is (2) Which of the following are not (a) Stimulates the process of b (b) Ca ²⁺ level in blood	Se Single e questions. Ea ents is not true? on ancestry olphins are a p result of conve an example of the effects of F oone resorption	ection-II Choice Type ach question has 4 ch air of homologous or ergent evolution analogy	noices (1), (2), (3) a	Ind (4) for its answer,
Section contains 15 Single choice which Only One is correct. Which of the following stateme (1) Homology indicates comme (2) Flippers of penguins and de (3) Analogous structures are a (4) Sweet potato and potato is (2) Which of the following are not (a) Stimulates the process of b (b) Ca ²⁺ level in blood (c) Reabsorption of Ca ²⁺ by re	Se Single questions. Ea ents is not true? on ancestry olphins are a p result of conve an example of the effects of F oone resorption	ection-II Choice Type ach question has 4 ch air of homologous or ergent evolution analogy Parathyroid hormone	noices (1), (2), (3) a	ng for better temorrow not (4) for its answer, not (4) for its answer, not on better temorrow no for better temorrow no for better temorrow no for better temorrow no for better temorrow
ection contains 15 Single choice which Only One is correct. Which of the following stateme (1) Homology indicates comme (2) Flippers of penguins and de (3) Analogous structures are a (4) Sweet potato and potato is (2) Which of the following are not (a) Stimulates the process of the (b) Ca ²⁺ level in blood (c) Reabsorption of Ca ²⁺ by re (d) Decreases the absorption of	Se Single e questions. Ea ents is not true? on ancestry olphins are a p result of conve an example of the effects of F oone resorption	ection-II Choice Type ach question has 4 ch air of homologous or ergent evolution analogy Parathyroid hormone	noices (1), (2), (3) a	In the better termorrow In the for better termorrow In the for better termorrow In the better termorrow
Section contains 15 Single choice which Only One is correct. Which of the following stateme (1) Homology indicates comme (2) Flippers of penguins and de (3) Analogous structures are a (4) Sweet potato and potato is (2) Which of the following are not (a) Stimulates the process of b (b) Ca ²⁺ level in blood (c) Reabsorption of Ca ²⁺ by re (d) Decreases the absorption of (e) Increases metabolism of ca	Se Single questions. Ea ents is not true? on ancestry olphins are a p result of conve an example of the effects of F one resorption nal tubules of Ca ²⁺ from dig arbohydrates	ection-II Choice Type ach question has 4 ch air of homologous or ergent evolution analogy Parathyroid hormone?	noices (1), (2), (3) a rgans	nd (4) for its answer,
ection contains 15 Single choice which Only One is correct. Which of the following stateme (1) Homology indicates comme (2) Flippers of penguins and de (3) Analogous structures are a (4) Sweet potato and potato is (2) Which of the following are not (a) Stimulates the process of b (b) Ca ²⁺ level in blood (c) Reabsorption of Ca ²⁺ by re (d) Decreases the absorption of (e) Increases metabolism of ca Choose the most appropriate a	Se Single questions. Ea ents is not true? on ancestry olphins are a p result of conve an example of the effects of F one resorption nal tubules of Ca ²⁺ from dig arbohydrates	ection-II Choice Type ach question has 4 ch air of homologous or ergent evolution analogy Parathyroid hormone gested food e options given below	noices (1), (2), (3) a rgans	Ind (4) for its answer,
Section contains 15 Single choice which Only One is correct. Which of the following stateme (1) Homology indicates comme (2) Flippers of penguins and de (3) Analogous structures are a (4) Sweet potato and potato is (2) Which of the following are not (a) Stimulates the process of b (b) Ca ²⁺ level in blood (c) Reabsorption of Ca ²⁺ by re (d) Decreases the absorption of (e) Increases metabolism of ca	Se Single questions. Ea ents is not true? on ancestry olphins are a p result of conve an example of the effects of F one resorption nal tubules of Ca ²⁺ from dig arbohydrates	ection-II Choice Type ach question has 4 ch air of homologous or ergent evolution analogy Parathyroid hormone?	noices (1), (2), (3) a rgans	Ind (4) for its answer,
	individuals per Drosophila per (1) 1.0 (2) ze (3) In which of the following animal (1) Catla, Columba, Crocodilus (3) Corvus, Columba, Chamele (3) Identify the asexual reproduction (1) Gemmules (2) But (4) Which of the following is not the (1) Temperature of inhaled air (2) Provides surface for diffusion (3) It clears inhaled air from for	 individuals per Drosophila per week. (1) 1.0 (2) zero (3) In which of the following animals, digestive trastication (1) Catla, Columba, Crocodilus (3) Corvus, Columba, Chameleon (3) Identify the asexual reproductive structure as (1) Gemmules (2) Buds (4) Which of the following is not the function of cat(1) Temperature of inhaled air is brought to b (2) Provides surface for diffusion of O₂ and C (3) It clears inhaled air from foreign particles 	 individuals per Drosophila per week. (1) 1.0 (2) zero (3) 0.1 (3) In which of the following animals, digestive tract has additional ch (1) <i>Catla, Columba, Crocodilus</i> (2) <i>Pavo, Psittad</i> (3) <i>Corvus, Columba, Chameleon</i> (4) <i>Bufo, Balaen</i> (3) Identify the asexual reproductive structure associated with <i>Penicia</i> (1) Gemmules (2) Buds (3) Zoospores (4) Which of the following is not the function of conducting part of res (1) Temperature of inhaled air is brought to body temperature (2) Provides surface for diffusion of O₂ and CO₂ (3) It clears inhaled air from foreign particles 	(1) 1.0 (2) zero (3) 0.1 (4) 10 (3) In which of the following animals, digestive tract has additional chambers like crop at (1) Catla, Columba, Crocodilus (2) Pavo, Psittacula, Corvus (3) Corvus, Columba, Chameleon (4) Bufo, Balaenoptera, Bangarus (3) Identify the asexual reproductive structure associated with Penicillium: (1) Gemmules (2) Buds (3) Zoospores (4) (3) Yero (4) Conidiate (4) (4) (4) Conidiate (5) (3) Yero (4) Conidiate (6) (1) Gemmules (2) Buds (3) Zoospores (4) (4) Yero (4) Conidiate (7) (1) Temperature of inhaled air is brought to body temperature (2) Provides surface for diffusion of O2 and CO2 (3) It clears inhaled air from foreign particles (3) It clears inhaled air from foreign particles

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				NEET	2022 DATE : 17-07-2022 B	IOLOGY		
88.	Select the incorrect statement regarding synapses.							
	(1) Chemical synapses use neurotransmitters							
	(2) Impulse transmission across a chemical synapse is always faster than that across an electrical							
	synapse as on an cell Resonance Resonance Resonance Resonance							
	(3) The membranes of presynaptic and postsynaptic neurons are in close proximity in an electrical							
	syna	pse						
	(4) Electrical current can flow directly from one neuron into the other across the electrical synapse							
ns.	(2)							
89.	Match List-I with List-II with respect to methods of Contraception and their respective actions							
		List-I			List-II	ng for better tomorrow		
	(a)	Diaphragms		(i)	Inhibit ovulation and Implantati	on		
	(b)	Contraceptive Pills		(ii)	Increase phagocytosis of speri	m within Uterus		
	(c)	Intra Uterine Devices		(iii)	Absence of Menstrual cycle De	evices and		
	soner				ovulation following parturition			
	(d)	Lactational Amenorrh	ea	(iv)	They cover the cervix blocking	the entry of		
					sperms.	ng for better tomorroy		
	Choc	bse the correct answer f	rom the options gi	ven be	low			
Ins.		a)-(ii), (b)-(iv), (c) - (i), (c a)-(iv), (b)-(i), (c) - (iii), (d	d) - (iii)	(2) (a)-(iii), (b)-(ii), (c)-(i), (d) - (iv) a)-(iv), (b) - (1), (c) - (ii), (d) - (ii)			
	(3) (a (4) Selec (1) A	a)-(iv), (b)-(i), (c) - (iii), (ct the incorrect stateme namnestic response is	t) - (iii) d) - (ii) nt with respect to a due to memory of	(2) ((4) (acquire first en	a)-(iv), (b) - (1), (c) - (ii), (d) - (ii) d immunity counter			
	(3) (a (4) Selec (1) A (2) A	a)-(iv), (b)-(i), (c) - (iii), (ct the incorrect stateme namnestic response is cquired immunity is nor	d) - (iii) d) - (ii) nt with respect to a due to memory of n-specific type of d	(2) ((4) (acquire first en efense	a)-(iv), (b) - (1), (c) - (ii), (d) - (ii) d immunity counter present at the time of birth			
	(3) (a (4) Selec (1) A (2) A (3) P	a)-(iv), (b)-(i), (c) - (iii), (ct the incorrect stateme namnestic response is cquired immunity is nor rimary response is proc	d) - (iii) d) - (ii) nt with respect to a due to memory of n-specific type of d duced when our bo	(2) ((4) (acquire first en efense dy enc	a)-(iv), (b) - (1), (c) - (ii), (d) - (ii) d immunity counter present at the time of birth ounters a pathogen for the first t			
90. Re	 (3) (a) (4) Select (1) A (2) A (3) P (4) A 	a)-(iv), (b)-(i), (c) - (iii), (ct the incorrect stateme namnestic response is cquired immunity is nor rimary response is proc	d) - (iii) d) - (ii) nt with respect to a due to memory of n-specific type of d duced when our bo	(2) ((4) (acquire first en efense dy enc	a)-(iv), (b) - (1), (c) - (ii), (d) - (ii) d immunity counter present at the time of birth			
Ans. 90. Ans.	(3) (a (4) Selec (1) A (2) A (3) P	a)-(iv), (b)-(i), (c) - (iii), (ct the incorrect stateme namnestic response is cquired immunity is nor rimary response is proc	d) - (iii) d) - (ii) nt with respect to a due to memory of n-specific type of d duced when our bo	(2) ((4) (acquire first en efense dy enc	a)-(iv), (b) - (1), (c) - (ii), (d) - (ii) d immunity counter present at the time of birth ounters a pathogen for the first t			
90. Re	 (3) (a (4) Select (1) A (2) A (3) P (4) A (2) State 	a)-(iv), (b)-(i), (c) - (iii), (ct the incorrect stateme namnestic response is cquired immunity is nor rimary response is proc namnestic response is	d) - (iii) d) - (ii) nt with respect to a due to memory of n-specific type of d duced when our bo elicited on subseq n Insulin are given	(2) ((4) (first en efense dy enc uent er	a)-(iv), (b) - (1), (c) - (ii), (d) - (ii) d immunity counter present at the time of birth ounters a pathogen for the first t	en		
90. Na.	 (3) (a (4) Select (1) A (2) A (3) P (4) A (2) State gene 	a)-(iv), (b)-(i), (c) - (iii), (ct the incorrect stateme namnestic response is cquired immunity is nor rimary response is proc namnestic response is ements related to human	d) - (iii) d) - (ii) nt with respect to a due to memory of n-specific type of d duced when our bo elicited on subseq n Insulin are given in?	(2) ((4) (first en efense dy enc uent er below.	a)-(iv), (b) - (1), (c) - (ii), (d) - (ii) d immunity counter present at the time of birth ounters a pathogen for the first t incounters with the same pathoge Which statement(s) is/are corre	en		
90.	 (3) (a (4) Select (1) A (2) A (3) P (4) A (2) State gene (a) P 	a)-(iv), (b)-(i), (c) - (iii), (ct the incorrect stateme namnestic response is cquired immunity is nor rimary response is proc namnestic response is ements related to human tically engineered Insul ro-hormone insulin cont	d) - (iii) d) - (ii) nt with respect to a due to memory of n-specific type of d duced when our bo elicited on subseq n Insulin are given in? tain extra stretch o	(2) ((4) (acquire first en efense dy enc uent er below.	a)-(iv), (b) - (1), (c) - (ii), (d) - (ii) d immunity counter present at the time of birth ounters a pathogen for the first t incounters with the same pathoge Which statement(s) is/are corre	ect about		
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Resonance NEET-2022 | DATE : 17-07-2022 | BIOLOGY 192. Match List-I with List - II List-I (Biological Molecules) List-II (Biological functions) (a)Glycogen (i) Hormone (b) Globulin (ii) **Biocatalyst** Steroids (iii) Antibody (c) Thrombin (iv) Storage product (d) Choose the correct answer from the options gives below (1) (a)-(ii), (b)-(iv), (c) - (iii), (d) - (i) (2) (a)-(iv), (b) - (iii), (c) - (i), (d) - (ii) (3) (a)-(iii), (b) - (ii), (c) - (iv), (d)-(i) (4) (a)-(iv), (b)-(ii), (c) - (i), (d) - (iii) Ans. (2) Which of the following is not a desirable feature of a cloning vector? 193. (1) Presence of single restriction enzyme site (2) Presence of two or more recognition sites (3) Presence of origin of replication (4) Presence of a marker gene (1)Ans. 194. Ten E.coli cells with ¹⁵N-ds DNA are incubated in medium containing ¹⁴N nucleotide. After 60 minutes, how many *E.coli* cells will have DNA totally free from ¹⁵N? (1) 60 cells (2) 80 cells (3) 20 cells (4) 40 cells (1)Ans. 195. Which one of the following statements is correct? (1) Blood moves freely from atrium to the ventricle during joint diastole. (2) Increased ventricular pressure causes closing of the semilunar valves. (3) The atrio-ventricular node (AVN) generates an action potential to stimulate atrial contraction (4) The tricuspid and the bicuspid valves open due to the pressure exerted by simultaneous contraction of the atria. (4)Ans. 196. The recombination frequency between the genes a & c is 5%, b & c is 15%, b & d is 9%, a & b is 20%, c & d is 24% and a & d is 29%. What will be the sequence of these genes on a linear chromosome? (1) a, b, c, d (2) a, c, b, d (3) a, d, b, c (4) d, b, a, c Ans. (2) 197. Which of the following is a correct statement? (1) Slime moulds are saprophytic organisms classified under Kingdom Monera. (2) Mycoplasma have DNA, Ribosome and cell wall (3) Cyanobacteria are a group of autotrophic organisms classified under Kingdom Monera. (4) Bacteria are exclusively heterotrophic organisms. (3)Ans.

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		2 [®]		NEET	2022 DATE :	17-07-202	2 BIOLOGY	
198.	Given below are tw	o stateme	nts:					
	Statement I:							
	In a scrubber the exhaust from the thermal plant is passed through the electric wires to charge the dust							
	pa <mark>rticl</mark> es.							
	Statement II:							
	Particulate matter (precipitator.	(PM 2.5) ca	an not be rem <mark>ov</mark>	<mark>/e</mark> d by so	brubber but can	be removed	d by an electrostatic	
	In <mark>the l</mark> ight of the a	bove stat <mark>e</mark> r	ments, choose t	the most	appropriate ans	wer from th	ne options given below:	
	(1) Statement I is c	orrect but	Statement II is i	incorrect				
	(2) Statement I is in	ncorrect bu	t Statement II is	s correct				
	(3 <mark>) Bot</mark> h Statement	I and Stat	ement II are co	rrect				
	(4) Both Statement	I and Stat	ement II are inc	correct				
Ans.	(2)							
19 9.	If a colour blind fen	nale marrie	s a man whose	mother	was also colour	blind, what	are the chances of her	
	progeny having col	lour blindne	ess?					
	(1) 75%	(2) 10	00%	(3) 2	25%	(4) 50%	6 SONANCE	
Ans.	(4)	~ /				. ,		
	ating for better to							
200.	Match List-I with Li	st - II						
	List-I (Biolog	ical Moleci	ules)		List-II (Biologio	al functions	5)	
	(a) Bronchioles			(i)	Dense Regula	r Connectiv	e Tissue	
	(b) Goblet cell			(ii)	Loose Connec	tive Tissue	sonance	
	(c) Tendons			(iii)	Glandular Tiss	ue	ng for patter toniorrow	
	(d) Adipose Tiss	sue		(iv)	Ciliated Epithe	lium		
	Choose the correct	t answer fro	om the options	given be	low		sonance*	
	(1) (a)-(ii), (b)-(i), (d	c) - (iv), (d)	- (iii)	(2) (a)-(iii), (b)-(iv), (c) - (ii), (d) ·	- (i)	
	(3) (a)-(iv), (b)-(ii),	(c) - (i), (d)	- (ii)	(4) (a)-(i), (b)-(ii), (c)	- (iii), (d) -	(iv)	
Ans.	(3)							

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>= 500 to < 574	>= 450 to < 499	>= 400 to < 449	90%	20000	38050	76950
>= 450 to < 499	>= 400 to < 449	>= 350 to < 399	80%	20000	46600	68400
>= 400 to < 449	>= 375 to < 399	>= 325 to < 349	70%	20000	55150	59850
>= 375 to < 399	>= 350 to < 374	>= 300 to < 324	60%	20000	63700	51300
>= 350 to < 374	>= 325 to < 349	>= 275 to < 299	50%	20000	72250	42750
>= 325 to < 349	>= 300 to < 324	>= 250 to < 274	40%	20000	80800	34200
All Qualifie i	30%	20000	89350	25650		

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