SUBJECT: BIOLOGY	DAY-1
SESSION: MORNING	TIME: 10.30 A.M. TO 11.50 A.M.

MAXIMUM MARKS	TOTAL DURATION	MAXIMUM TIME FOR ANSWERING
60	80 MINUTES	70 MINUTES

MENTION YOUR	QUESTION BOOKLET DETAILS				
CET NUMBER	VERSION CODE	SERIAL NUMBER			
	A - 1	148977			

DOs:

- 1. Check whether the CET No. has been entered and shaded in the respective circles on the OMR answer sheet.
- 2. This Question Booklet is issued to you by the invigilator after the 2nd Bell i.e., after 10.30 a.m.
- 3. The Serial Number of this question booklet should be entered on the OMR answer sheet.
- 4. The Version Code of this question booklet should be entered on the OMR answer sheet and the respective circles should also be shaded completely.
- 5. Compulsorily sign at the bottom portion of the OMR answer sheet in the space provided.

DON'TS:

- 1. THE TIMING AND MARKS PRINTED ON THE OMR ANSWER SHEET SHOULD NOT BE DAMAGED/MUTILATED/SPOILED.
- 2. The 3rd Bell rings at 10.40 a.m., till then;
 - Do not remove the paper seal present on the right hand side of this question booklet.
 - Do not look inside this question booklet.
 - Do not start answering on the OMR answer sheet.

IMPORTANT INSTRUCTIONS TO CANDIDATES

- This question booklet contains 60 questions and each question will have one statement and four distracters.
 (Four different options / choices.)
- 2. After the 3rd Bell is rung at 10.40 a.m., remove the paper seal on the right hand side of this question booklet and check that this booklet does not have any unprinted or torn or missing pages or items etc., if so, get it replaced by a complete test booklet. Read each item and start answering on the OMR answer sheet.
- 3. During the subsequent 70 minutes:
 - · Read each question carefully.
 - Choose the correct answer from out of the four available distracters (options / choices) given under each question / statement.
 - Completely darken / shade the relevant circle with a BLUE OR BLACK INK BALL POINT PEN
 against the question number on the OMR answer sheet.

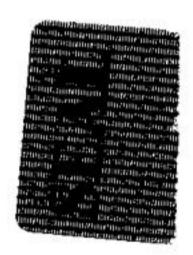
Correct Method of shading the circle on the OMR answer sheet is as shown below:



- 4. Please note that even a minute unintended ink dot on the OMR answer sheet will also be recognised and recorded by the scanner. Therefore, avoid multiple markings of any kind on the OMR answer sheet.
- 5. Use the space provided on each page of the question booklet for Rough Work. Do not use the OMR answer sheet for the same.
- 6. After the last bell is rung at 11.50 a.m., stop writing on the OMR answer sheet and affix your LEFT HAND THUMB IMPRESSION on the OMR answer sheet as per the instructions.
- 7. Hand over the OMR ANSWER SHEET to the room invigilator as it is.
- 8. After separating the top sheet (Our Copy), the invigilator will return the bottom sheet replica (Candidate's copy) to you to carry home for self-evaluation.
- 9. Preserve the replica of the OMR answer sheet for a minimum period of ONE year.

B [Turn Over





1.	The most	unstable RNA is	•			53
	(1)	Messenger RNA	(2)	Soluble RNA	*	
	. (3)	Ribosomal RNA	(4)	Heterogeneous nuc	lear RNA	
12			# # # # # # # # # # # # # # # # # # #	19		
2.	Choose th	e right one which denot	es genetic d	iversity.		
***	(1)	Chromosomes – nucle	otides – ger	es – individuals – po	pulations	
	(2)	Populations – individu	als – chrom	osomes – nucleotide	s – genes	¥
	(3)	Genes – nucleotides –		3.40		55
	(4)	Nucleotides – genes –	¥	W 	#### #D	
	•3					
3.	The portio	on of an Eukaryotic gene	which is tr	anscribed but not tra	nslated is	*
<u>x</u> 1	(1)	Exon	. (2)	Intron		
	(3)	Cistron	(4)	Codon		
						12
4.	The appea	rance of chancre, rashes	all over the	e body are the sympto	oms of	
*	(1)	Gonorrhoea	(2)	Aids		
	(3)	Syphilis	(4)	Fever		
					186 \$28	
5.	Read the s	statements (A) and (B).	Choose the	right one.		
	(A) Synth	esis of mRNA takes pla	ce in 5' - 3'	direction.	*	
	(B) Readi	ing of mRNA is always	in 3' – 5' di	ection.		
	(1)	Both the statements are	e wrong.			
	(2)	Statement (A) is wrong	g, (B) is cor	rect.	# *	
	(3)	Statement (B) is wrong	g, (A) is cor	rect.		

Both the statements (A) and (B) are correct.



117	81		ii.			
6.	Assimila	tory power is		*6	€6 EE	
•		NADPH ₂			(2)	ATP
	. (3)	ATP and NADPH ₂			(4)	FADH
* 1		•	**		被	

- 7. ECORI cleaves the DNA strands to produce
 - (1) Blunt ends

- (2) Sticky ends
- (3) Satellite ends
- (4) Ori replication end
- 8. Read the statements (A) and (B) and identify the correct choice from those given:

Statement (A): Women are at the peak of conception on the 14th day of ovulation.

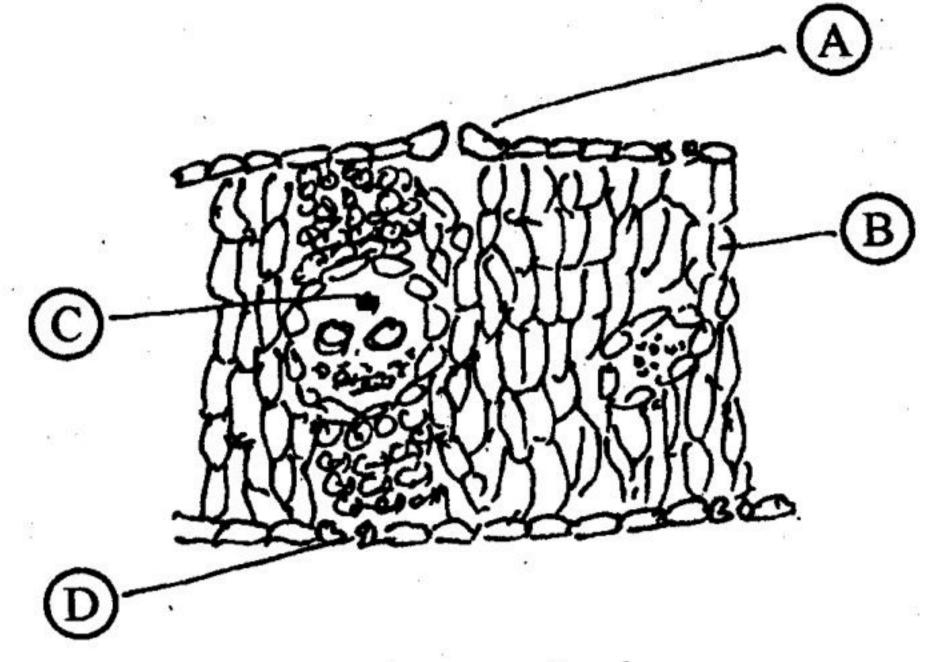
Statement (B): Vasectomy is the method normally employed to avoid conception in females.

- (1) Statement (A) is wrong, (B) is right.
- (2) Statement (A) is right, (B) is wrong.
- (3) Both the statements are right.
- (4) Both the statements are wrong.
- 9. The sequence of nitrogenous bases in one strand of DNA are 3' TAC GCG ACG 5'. The complementary DNA strand should have
 - (1) 5' AUG CGC TGC 3'
- (2) 3' ATG CGC TGC 5'
- (3) 5' UAC GCG ACG 3'
- (4) 5' ATG CGC TGC 3'
- 10. Which one of the following statement is correct regarding spinal cord?
 - (1) It is composed of outer grey matter and inner white matter.
 - (2) It is composed of outer white matter and inner grey matter.
 - (3) It is composed of outer grey matter and inner colourless matter.
 - (4) It is composed of grey matter only.

		(i) (ii)						*					
		2			¥1)			23		*7			
11.	Match t	he entri	es in C	Colum	n I with	those	of Column	II and cho	ose the c	orrect ansv	ver.	96	
\$4.	*		mn –				Colum	650		X			<i>8</i> 8
	(A) R	estriction	n endo	onucle	ases	(P)	Kohler a	nd Milstein	L.				
		lymeras	-		ction	(Q)	Alec Jeff	freys		25 H4			
	(C) D			2000 S		(R)	Arber				, 9		:E
	(D) M	onoclon	al anti	bodie	s	(S)	Karry M	ullis					31
	25 9 2 51	(A)	(B)	(C)	(D)			19					
	(1)	(R)	(S)	(Q)	(P)								59 At
	(2)	(R)	(Q)	(S)	(P)		.55			•			8
20 g	(3)	(Q)	(R)	(S)	(P)	£						92	
a	(4)	(Q)	(S)	(R)	(Q)				89				90
	S	0000 2072.50		. ,			•					1.50	
12.	Which ta	xonomi	c term	mav	he sugo	rested f	or obverse	k in the clas	. ~				
÷	(1)	Class			ov suge	(0)		k in the clas	ssificatio	n?		:#:	
	(3)	Speci		*		(2	_			506			
		орост		*		(4) Taxon		60 20			.95	
13.	In one	of the	toohu:					TO 1 30			M.		
10.	β polyper	tides w	ere ins	ques serted	or rece	ombina Plasm	nt insuling id by the s	productio	n the g	enes for	α and		
	(1)		- 68		ice gen		id by the s	side of	×	94 V)			×.
	(2)	Lac z		279	Name				88 (A)		*		
	(3)	β gala			69			#1 20					
	(4)	Ori	ciosia	ase ge		1.		90					
¥2.	(4)	On		20	*1		· ·				- 152		
14.	Which on	a daar	a4 1. 1	<u></u>		_		. Ma					
	Which on				moner	a?	,			•			
	(1)	Slime		IS		(2)	Mycopl	asma		3		•	
	(3)	Eubact	teria			(4)	Archaet	anatorio.				¥	20



15. The diagram given below represents the T.S. of dicot leaf. Identify the parts labelled as A, B, C and D, which denote their functions and choose the correct one given below:



(1) A: Motor action

B: Photosynthesis

C: Conduction

D: Transpiration

(2) A: Motor action

B: Conduction

C: Photosynthesis

D: Transpiration

(3) A: Transpiration

B: Photosynthesis

C: Conduction

D: Transpiration

(4) A: Transpiration

B: Conduction

C: Photosynthesis

D: Motor action

- 16. Which of the following tissue is not a component of a complex tissues?
 - (1) Parenchyma

(2) Collenchyma

(3) Sclerenchyma

(4) Tracheids

- 17. Mosses and ferns are
 - (1) Thallophytes of plant kingdom
 - (2) Angiosperms of plant kingdom
 - (3) Gymnosperms of plant kingdom
 - (4) Amphibians of plant kingdom



			•		·-·		
	11.20 H			W.			
10		315 F • 1					
18.	Plasmode		sually observ				
	(1)	Sieve tul	bes and Bast	fibre	50). ES	•	30
	(2)	Trachea	and Phloem	fibres			8 8
	(3)		arenchyma a	676			¥00
	(4)	Sieve tub	es and comp	panion cells	•		
40		5 %	13T	35)		54 54	
19.	72		n angiospern	n is made up	of		
	(1)	8 cells		(2)	7 cells and 8 nuclei	*	
	(3)	8 nuclei		(4)	8 cells and 7 nuclei	5 2.	
20	~ . ~ .						• •
20.			icot stem orig	19	5 ₅₀	•	
			entiated parer				23
			ntiated colle		411		
			ma cells of n	VIII (1990)	y		
a	(4)	Parenchy	ma cells of p	ericycle			
	N C - 4 1 - 11					\$0 \$20	¥
21.	below:	vords of (Column I wit	th that of Co	lumn II and choose the	correct answer giv	/en
	Colum	n – I	Co	lumn – II		10 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	C#2
	(A) Algae		(D)	mnosperms		E1	
	(B) Riccia	*	(Q) Por	*0 .0	•		*
E	(C) Spiro	SE		otrophic			
	(D) Gnetu	7. 5		erwort			
		(A) (B)	er son	CIWOIL			
	(1)	(R) (S)		V.			
		10 15 L	1		•	·	
		(P) (S)	(Q) (R)				
		(S) (P)	(R) (Q)	et e			35 ±0
	(1)	\mathbf{D}) (\mathbf{O})	(S) (P)		El Company of the Com	1971	



22.	The opening	ng and closing of stomata	are contro	olled by the activity of
	(1)	Guard cells	(2)	Epidermal cells
1 . s	(3)	Mesophyll cells	(4)	Lenticels
23.	In which shows bile	of these following phyla ateral symmetry?	given as	the adult shows radial symmetry, the larva
	(1)	Annelids	(2)	Arthropods
	(3)	Molluscs	(4)	Echinodermata
24.	A thin fi	lm of water covering the	soil parti	cles and held strongly by attractive forces is
	(1)	Run away	(2)	Hygroscopic
¥	(3)	Gravitational	(4)	Capillary
25.	Which o	ne of the following group ristic morphological feature Animals	s of 3 and	mals each is correctly matched with their one Morphological features
	(1) Ce	ntipede, Prawn, Sea urchi	n,	 Jointed appendages
		ockroach, Locust, Taenia	•	 Metameric segmentation
	` '	corpion, Spider, Cockroach	1	 Ventral solid nerve cord
		verfluke, Sea anemone, Se		ber – Bilateral symmetry
	12		*	•
26	. Conside	er the following statements	and sele	ct the correct one:
***	Statem	ent (A): Pure water has	maximun	n water potential.
	Statem	ent (B): The osmotic po	tential is	zero in pure water.
90	(1) Both statements are co	orrect and	(B) is not the reason for (A).
	(2	2) Both statements are w		
	(3	Both statements are co	orrect and	(B) is the reason for (A).
. No. 100		4) Both statements are co		
		S	pace For	Rough Work
	97	#1 *Li		#07 #07



27.	A biva	len	ofm	ieiosis	I con	sists (of	187	#0							
	. (1)	Fou	r chro	matid	s and	two ce	entron	neres				đ	5	(g (a	
	. (2)	Two	chro	matids	and	one ce	ntrom	ere			92			*	
10	(3)					\$30	ntrom							22	
额	(4)	*	150				entron				•				
20					0.70	25 E	£1				e	*:				
28.	Electro	ns i	from (excite	d chlo	rophy	ll mo	lecules	s of pho	otosyste	em II	are acc	cepted	first	hv	
		2002		edoxir				(2)		phytin	923 FEEDER	*	- Pro-	11101	.	i g
	(:	3)	Cyto	chron	ne b		50	(4)	,	chrome	f	87				
				6)		*		NO 150.4	1.55						6)	
29.	Match	the	follov	wing l	ist of	anima	als wit	h thei	r level	of orga	nizat	ion and	i choo	se the	corre	ct
	sequen	ce:	43		61		¥3									
		C	olum	nn – I			C	Colum	n – II	74	82			¥		
			n leve		*		(P)	Pher	itima	**		59			<u>⊕</u>	
				10 10 10 10 10 10 10 10 10 10 10 10 10 1	ite lev	el	(Q)	Fasc	iola				3 <u>2</u>			
	(C) T	issu	e lev	el		8	(R)	Spor	igilla	(•) ()					58	
	(D) O	rga	n syst	tem le	vel	383	(S)	Obel	ia			70	iii.			
			(A)	(B)	(C)	(D)	9		325	280		Ð	8	*		
	(1)	(S)	(R)	(P)	(Q)									5 ¥	
	(2)	(S)	(Q)	(R)	(P)	(H	×			5.1	*				
	(3)	(Q)	(S)	(R)	(P)		19					5) - X)			
	(4)	(Q)	(R)	(S)	(P)		å	(x 30		22 B			18		
	SE SECOND DATE OF THE SECOND			20			a			٠	26					
30.	Oxidativ	e d	ecarb	oxyla	tion o	ccurs	during	g the f	ormatio	on of				*		
	(1)) (Citric	acid a	and Su	ıccini	c acid			94						
	(2)) (Citric	acid a	and O	xaloa	cetic a	cid	*27			40				
	(3)) 1	Acety	1 CoA	and S	Succir	ıyl Co	A	Ø				*		050	
	(4)	(Oxalo	acetic	acid	and O	xalosi	uccini	c acid	417					2	



		~ .1 ·	Court of	annle	ic
31.	The edible part of	the	Iruit of	appic	10

(1) Endocarp

(2) Thalamus

(3) Pericarp

(4) Perianth

32. Given below is an electron acceptor. Mention its status, which is labelled as (A)

$$Cyt^{++} \xrightarrow{2e} Cyt^{+++} \bigcirc A$$

(1) Oxidised

- (2) Reduced
- (3) Phosphorylation.
- (4) Hydrated

33. The Floral formula $(K_5 C_{(5)})^2 A_5 G_2$ is that of

(1) Hibiscus

(2) Banana

(3) Tulip

(4) Vinca

34. Interferons are the protein molecules produced from the

- (1) Normal cells
- (2) Infected host cells
- (3) Macrophages
- (4) B. Lymphocytes

35. Tikka is a

- (1) Fungal disease
- (2) Viral disease
- (3) Bacterial disease
- (4) Protozoan disease

36. Which of the statement is correct?

- (1) Each back cross is a test cross.
- (2) Each test cross is a back cross.
- (3) Crossing F₂ with F₁ is a test cross.
- (4) Crossing F₂ with P₁ is called a test cross.

95	FI		- 6			
3	7. Amrithm	nahal is a/an			\$	
99	(1)	Dual purpose breed	(0)		•	
	(3)	Cross breed	(2)	Exotic breed		
	(-)	Cross breed	(4)	Drought breed	191	
38	3. Gynecom	astica is the symptom of			¥ 60	
	(1)	Klinefelter's syndrome	(2)	D		
*	(3)	Turner's syndrome	(2)	Down's syndrome		
0.		·	(4)	Cri-du-chat syndrome		
39	. The branc	h of biology that deals with	study o	of fossil animals:	•	
	(1)	Para biology	(2)	Phylogeny		¥3
	(3)	Paleontology	(4)	Para zoology	fi,	
				_551067	[CD]	
40					Rea	
40.	A colourb	lind man marries the daugh notype for colour vision. In	hter of their pr		whose wife h	nad a
40.		lind man marries the daugh notype for colour vision. In a All the children would colo	PI PI	another colourblind man	whose wife }	nad a
40.	. (1)		ourblind	another colourblind man	whose wife l	nad a
40.	(1) (2)	All the children would colo All their sons are colourblin	ourblind nd.	another colourblind man ogeny	whose wife }	nad a
40.	(1) (2) (3)	All the children would colo All their sons are colourblin None of the daughters would	ourblind nd. ld be co	another colourblind man ogeny		nad a
40.	(1) (2) (3)	All the children would colo All their sons are colourblin	ourblind nd. ld be co	another colourblind man ogeny		nad a
41.	(1) (2) (3) (4)	All the children would color All their sons are colourbling. None of the daughters would Half of their sons and their sons and their sons and their sons and their sons are their sons and their sons and their sons and their sons are their sons and their sons are their sons are their sons and their sons are the sons are th	ourblind nd. ld be co	another colourblind man ogeny l. lourblind. daughters would be colour		nad a
	(1) (2) (3) (4) The plants v	All the children would colo All their sons are colourblin None of the daughters would	ourblind nd. Id be confitheir of their	another colourblind man ogeny l. lourblind. daughters would be colour		nad a
	(1) (2) (3) (4) The plants (1)	All the children would color All their sons are colourbling. None of the daughters would Half of their sons and half of which have antidiabetic property.	ourblind nd. Id be confitheir of their	another colourblind man ogeny l. lourblind. daughters would be colour		nad a
	(1) (2) (3) (4) The plants (1)	All the children would color All their sons are colourbling. None of the daughters would half of their sons and half of which have antidiabetic proposition. Ocimum sanctum	ourblind nd. Id be confitheir of their	another colourblind man ogeny l. lourblind. daughters would be colour		nad a
41.	(1) (2) (3) (4) The plants (1)	All the children would color All their sons are colourbling None of the daughters would Half of their sons and half of which have antidiabetic proportion Ocimum sanctum Adathoda vasica	ourblind nd. Id be confitheir of their	another colourblind man ogeny l. lourblind. daughters would be colour		nad a
41.	(1) (2) (3) (4) The plants v (1) (3) (3) Deforestation	All the children would color All their sons are colourbling None of the daughters would Half of their sons and half of which have antidiabetic proportion Ocimum sanctum Adathoda vasica	ourblind nd. Id be constituted by their (2) (4) (4)	another colourblind man ogeny l. lourblind. daughters would be colour Gymnema sylvestre Phyllantus emblica		nad a
41.	(1) (2) (3) (4) The plants v (1) (3) Deforestation (1) g	All the children would color All their sons are colourbling None of the daughters would Half of their sons and half of which have antidiabetic proportion Ocimum sanctum Adathoda vasica on means growing plants and trees in a	ourblind nd. Id be confitner of their	another colourblind man ogeny l. lourblind. daughters would be colour Gymnema sylvestre Phyllantus emblica	rblind.	nad a
41.	(1) (2) (3) (4) The plants v (1) (3) (3) (4) Deforestation (1) (2) (2) (2)	All the children would color All their sons are colourbling None of the daughters would Half of their sons and half of which have antidiabetic proportion Ocimum sanctum Adathoda vasica	ourblind nd. Id be confitner of their o	another colourblind man ogeny I. Ilourblind. daughters would be colour Gymnema sylvestre Phyllantus emblica where there is no forest.	rblind.	nad a



43.	Lysosome	s are produced by			
	(1)	Golgi complex	(2)	Mitochondria	
	(3)	Endoplasmic reticulum	(4)	Leucoplasts	
#8 K			4		
44.	Kokkareb	ellur Bird Sanctuary is notic	ced in		£2
77.	(1)	Mandya	(2)	Mysore	•
	(3)	Chamarajnagar	(4)	Hassan	24.0
9		*10 *10 *10 *10 *10 *10 *10 *10 *10 *10			* *
45.	One of th	ne following is also called Se	ewall W	right effect.	
45.	(1)		(2)	Gene pool	
	(3)	1 'Ω	(4)	Gene flow	\$2 50
46.	Oran is a	a			
40.	(1)	Sacred groove	(2)) Sacred landscape	
) Sacred animal	(4)) Endangered animal	
	•		(e)		
47.	Put the	following parts of a reflex	arc in	the correct order beginning with th	e sensory
47.	receptor		2 %		. 2
	(A) M	lotor neuron			
	(B) Ir	nterneuron	**		
14	(C) E	ffector			
	(D) S	ensory neuron	26		
,		ensory receptor	•		The state of the s
	(1) (E) (D) (B) (A) (C)	8		
¥3	()	2) (E) (D) (A) (B) (C)	8		
el	. (3) (A) (B) (C) (D) (E)	(4) (6)		
	1	A) (A) (E) (D) (B) (C)	2		28



48.	The	track	nea ten	minate	es into		*0			**	W 83	Δij.	*		120	
		(1)	Bro	nchial	Tree	+ 1 1		(2)	Atri	um		*		**	III	
	62	(3)	Bro	nchi				(4)	Alve	eoli	*		8			
	142								:# x	i 154				or v	© (4	1
49.	Mate	ch th n bel	e entri ow :	es in	Colun	nn –]	with	those	of Co	olumn	II and	d choos	se the c	orrect	answ	er
		Column – I						C	olumn	*						
	(A)	FSI	H			*	(P)	Nor	mal gro	owth			9			
	(B)	GH	2 2		8	•	(Q)	Ovu	lation			*		es.		
	(C)	Pro	lactin				(R)	Part	urition							
	(D)	Oxy	ytocin	*		2	(S)	Wat	er diur	esis			50			
			(31)				(T)	Mill	c secret	tion	*					
20			(A)	(B)	(C)	(D)			81	39						
		(1)	(Q)	(P)	(T)	(R)				((*)		10			9	
		(2)	(Q)	(P)	(T)	(S)	29	22	in .				¥15	**		
	79.7	(3)	(P)	(T)	(R)	(Q)			82						(1865)	
		(4)	(Q)	(T)	(S)	(R)		13			t) (s	5 9		177 185		
		40				R _{ill}	83		er.	(2)	866.7	5Å				
50.	Form	ation	of act	ivatio	n caly	x in tl	he egg	z take:	s place	r ·				•		.00
ř.		(1)			ilizatio				Piaco					20		
	ě.	(2)	After	fertili	zation						39					
		(3)	At the	e time	of Cle	eavag	е	450				050			**	
		(4)	At the	time	of An	nphim	nixis		8					3.5		
				*	•		ŤÜ.				12	134 154	99	12	E E	
51.	Which	h of t	he foll	owing	g part o	of Co	ckroae	ch leg	is atta	ched t	o thor	av veni	rally?		*	
		(1)	Troch		•			(2)	Claw		o thor	ax veni	ially !			ii.
		(3)	Femu	r				(4)	Coxa	,70		100				
						Spa	ace Fo		gh Wo	rk				7		
i N	Ø1			123		•		2	g ,, v				8			¥1



(A (B (C	() C () A () A	ytoki	sic aci	#2 #2	234			(Q) (R)	Stress	hormoning of fr	e uits			
(B	s) A	uxin	sic aci	id		**		(Q) (R)	Ripen	ing of fr	uits			
(C	Ć) A	bscis	ic aci	id		*		(R)		751P4000 11-00		8		
		Ethyle	ne	id				estation of the second	Apica	l domin	ance	*		
		•				29	3.5	(C)		85			34	15
	(•						(S)	Boltin	ng		433	er s	
	(?•	(T)	Richn	nond La	ng effect			5250 08
	((A)	(B)	(C)	(D)		**	55 9					
	•	1)	(T)	(R)	(P)	(Q)		7		N8	TIS	84	•	
	(2)	(T)	(R)	(T)	(S)			12			4		
9.		(3)	(R)	(S)	(Q)	(P)		35		19		· P		
,		(4)	(Q)	(Q)	(T)	(R)					5.43			
		•					ä			* 4	**************************************		69 69	1.0
53. I	Left a	uricle	e rece	ives p	ure bl	lood fr	om the	е			50		•	
	(1) Pulmonary veins							(2)	Pulme	onary arter	y			
	IX	(3)	Supe	rior v	enaca	va			(4)	Inferi	or venacav	a	9.5 6.4	
		•					9		*			**	84	
54.	The s	emi-	ligest	ed foo	od tha	t move	es dow	n the	oesop	hagus is	known as	E)	8)	
		(1)	Bolu	ıs				(2)	Chyr	ne			. 5	63
10 m		(3)	Rug	ae	(2)			(4)	Prote	ein				
55.	Duri	ng the	e tran	sporta	ation g	gases, t	o mai	ntain	the ior	nic balar	ce chlorid	e ions sh	nifts fron	n
7.5	(1) RBC's to plasma							(2)		ma to R			¥E	
		(3)	Lun	igs to	blood	8	*0	(4)	Bloc	od to lur	ngs	•		
9)						S	pace I	For R	ough V	Vork				

56.	Read the statements	(A)	and	(B).	Choose	the	right	on	e
-0.	read the statements	(A)	and	(B).	Choose	the	right	t	t on

Statement (A): Atherosclerosis is a disease characterised by the thickening of arterial walls.

Statement (B): Deposition of cholesterol and triglycerides in the arterial walls causes atherosclerosis.

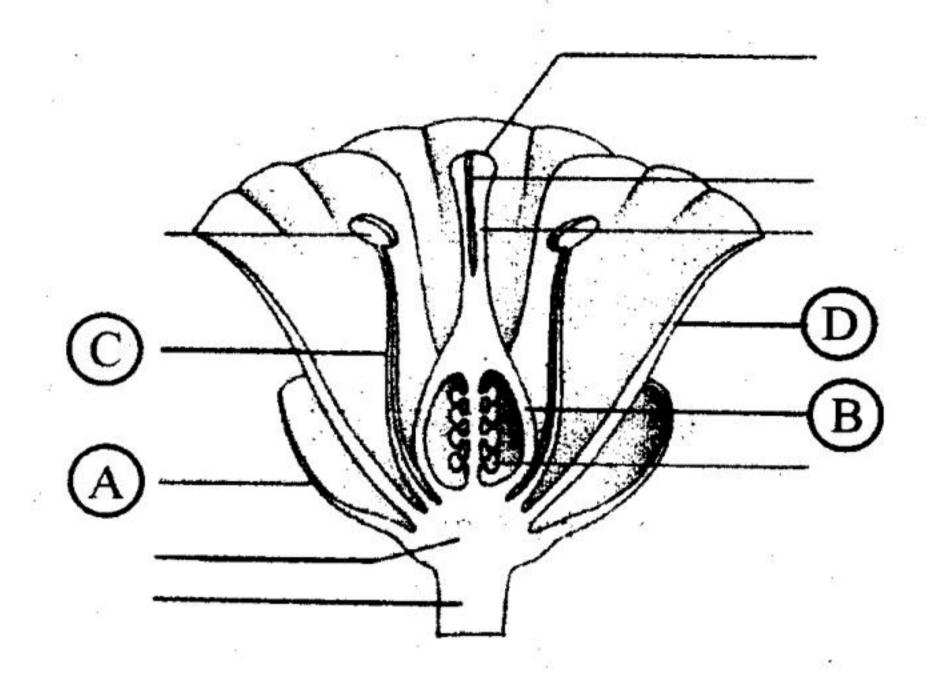
- (1) Statement (A) is correct, (B) is wrong.
- (2) Both the statements are correct but not related to each other.
- (3) Both the statements are correct and (B) is the reason for (A).
- (4) Both the statements are wrong.
- 57. Juxtaglomerular cells secrete \xrightarrow{A} when there is a fall in \xrightarrow{B} ion concentration. Choose the correct pair labelled as A and B.
 - (1) A: Renin B: Chloride
 - (2) A: Carbonic unhydrase B: Sodium
 - (3) A: ATPase B: Potassium
 - (4) A: Renin B: Sodium

58. Ileocaecal valve is present in between

- (1) Colon and large intestine
- (2) Colon and small intestine
- (3) Stomach and small intestine
- (4) Cardiac stomach and fundus



59. The diagram given below denotes the various parts of a typical flower. Identify the labelled parts A, B, C and D and choose the correct option:



- (1) A = Petals, B = Sepals, C = Stamens, D = Pistil
- (2) A = Sepals, B = Pistil, C = Petals, D = Stamens
- (3) A = Sepals, B = Pistil, C = Stamens, D = Petals
- (4) A = Sepals, B = Petals, C = Pistil, D = Stamens

60. Read the statements A and B and identify the correct choice from those given below:

Statement (A): The egg of frog is moderately telolecithal.

Statement (B): Sooner (or) later the cleavage pattern becomes irregular.

- (1) Statement (A) is correct, (B) is wrong.
- (2) Statement (B) is correct, (A) is wrong.
- (3) Both the statements (A) and (B) are correct.
- (4) Statement (A) is the reason for statement (B).





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