1.				llowing	g is no	t an attribute of a	7.	Choo	ose the	e corre	ct pair	from t	he fol	lowing:		
	(1)		ratio					(1)	Liga	ses	-		the two DNA ecules			
	(2) (3)	Nata Mor	tality					(2)	Poly	meras	es -	Breal	Break the DNA into			
	(4)	Spec	eies int	eractio	n							nents				
2.	The (1)	_	s of gr phase	owth i	s maxi	mum during:		(3)	Nucl	leases	-	Separ of DN		e two strands		
	(2)	_	phase					()		,						
	(3)		escenc	e				(4)	Exor				Make cuts at specific positions within DNA			
	(4)	Dor	mancy	7								posit	ions v	VILINI DNA		
3.	3. The roots that originate from the base of the stem are:						8.	Sele	ct the	correc	et mate	ch.				
	(1)		ous ro	ots				(1)	Hae	mophi	lia	-	- Ylinked			
	(2) Primary roots							(2)	Pher	nylketo	onuria	-		Autosomal dominant trait		
	(3)	_	roots					(0)	Ci al-l	الم مماا	a = a a = = =	:.				
4		(4) Lateral rootsMatch the following diseases with the causative						(3)	SICK	Sickle cell anaemia - Autosom recessive chromoso						
4.		nism a	and se	lect th		ct option.		(4)	Thal	assem	iia	-	X lin			
			ımn -	I		Column - II										
	(a)			Wuchereria	9.		ch the ect op		wing c	olumn	s and	l select the				
	<i>(b)</i>			(ii)	Plasmodium				Column - I Column - I							
	(c)	Fila	riasis		(iii)	Salmonella										
	(d)	Mala (a)	aria (b)	(c)	(iv) (d)	Haemophilus		(a)	Greg pest	arious	, polyp	hagous	(i)	Asterias		
	(1) (2)	(i) (iii)	(iii) (iv)	(ii) (i)	(iv) (ii)			(b)	Adult with radial (ii) Sco symmetry and larva					Scorpion		
	(3)	(ii)	(i)	(iii)	(iv)				with	bilate	ral syn	nmetry	у			
	(4)	(iv)	(i)	(ii)	(iii)			(c)	Book	k lungs	3		(iii)	Ctenoplana		
5.	In w	hich o	f the fo	llowin	σ techr	niques, the embryos		(d)	Biol	umines	scence		(iv)	Locusta		
J .	are t	ransfe				females who cannot			(a)	(b)	(c)	(d)				
		eive?	n 1:					(1)	(i)	(iii)	(ii)	(iv)				
	(1) (2)		Γand l Γand l					(2)	(iv)	(i)	(ii)	(iii)				
	(3)		and Z					(3)	(iii)	(ii)	(i)	(iv)				
	(4)		T and					(4)	(ii)	(i)	(iii)	(iv)				
6.						with reference to blood groups.	10.					Plasm	odiun	n that enters		
	(1)		_		three a			the human body is:								
	(2)	A pe		will ha	ive onl	y two of the three		(1) (2)	_	ohozoi ozoite						
	(3)				-	sent together, they		(3)	_		netocy	tes				
	express same type of sugar. (4) Allele 'i' does not produce any sugar.							(4)								
	(4) There I does not produce any sugar.							Civ 2:2010 Gaineto of too								

- 11. Identify the substances having glycosidic bond and peptide bond, respectively in their structure :
 - (1) Chitin, cholesterol
 - (2) Glycerol, trypsin
 - (3) Cellulose, lecithin
 - (4) Inulin, insulin
- 12. The plant parts which consist of two generations one within the other:
 - (a) Pollen grains inside the anther
 - (b) Germinated pollen grain with two male gametes
 - (c) Seed inside the fruit
 - (d) Embryo sac inside the ovule
 - (1) (a) only
 - (2) (a), (b) and (c)
 - (3) (c) and (d)
 - (4) (a) and (d)
- 13. The product(s) of reaction catalyzed by nitrogenase in root nodules of leguminous plants is/are:
 - (1) Ammonia alone
 - (2) Nitrate alone
 - (3) Ammonia and oxygen
 - (4) Ammonia and hydrogen
- 14. Identify the correct statement with regard to G_1 phase (Gap 1) of interphase.
 - (1) DNA synthesis or replication takes place.
 - (2) Reorganisation of all cell components takes place.
 - (3) Cell is metabolically active, grows but does not replicate its DNA.
 - (4) Nuclear Division takes place.
- 15. Cuboidal epithelium with brush border of microvilli is found in :
 - (1) lining of intestine
 - (2) ducts of salivary glands
 - (3) proximal convoluted tubule of nephron
 - (4) eustachian tube

- 16. Which of the following statements about inclusion bodies is incorrect?
 - (1) They are not bound by any membrane.
 - (2) These are involved in ingestion of food particles.
 - (3) They lie free in the cytoplasm.
 - (4) These represent reserve material in cytoplasm.
- 17. Which is the important site of formation of glycoproteins and glycolipids in eukaryotic cells?
 - (1) Endoplasmic reticulum
 - (2) Peroxisomes
 - (3) Golgi bodies
 - (4) Polysomes
- 18. In gel electrophoresis, separated DNA fragments can be visualized with the help of :
 - (1) Acetocarmine in bright blue light
 - (2) Ethidium bromide in UV radiation
 - (3) Acetocarmine in UV radiation
 - (4) Ethidium bromide in infrared radiation
- 19. Identify the wrong statement with reference to transport of oxygen.
 - (1) Binding of oxygen with haemoglobin is mainly related to partial pressure of O₂.
 - (2) Partial pressure of CO_2 can interfere with O_2 binding with haemoglobin.
 - (3) Higher H⁺ conc. in alveoli favours the formation of oxyhaemoglobin.
 - (4) Low pCO₂ in alveoli favours the formation of oxyhaemoglobin.
- 20. Ray florets have:
 - (1) Inferior ovary
 - (2) Superior ovary
 - (3) Hypogynous ovary
 - (4) Half inferior ovary
- 21. The specific palindromic sequence which is recognized by EcoRI is:
 - (1) 5' GAATTC 3'
 - 3' CTTAAG 5'
 - (2) 5' GGAACC 3'
 - 3' CCTTGG 5'
 - (3) 5' CTTAAG 3'
 - 3' GAATTC 5'
 - (4) 5' GGATCC 3'
 - 3' CCTAGG 5'

- 22. Identify the wrong statement with regard to Restriction Enzymes.
 - (1) Each restriction enzyme functions by inspecting the length of a DNA sequence.
 - (2) They cut the strand of DNA at palindromic sites.
 - (3) They are useful in genetic engineering.
 - (4) Sticky ends can be joined by using DNA ligases.
- 23. Which of the following is put into Anaerobic sludge digester for further sewage treatment?
 - (1) Primary sludge
 - (2) Floating debris
 - (3) Effluents of primary treatment
 - (4) Activated sludge
- 24. Select the correct events that occur during inspiration.
 - (a) Contraction of diaphragm
 - (b) Contraction of external inter-costal muscles
 - (c) Pulmonary volume decreases
 - (d) Intra pulmonary pressure increases
 - (1) (a) and (b)
 - (2) (c) and (d)
 - (3) (a), (b) and (d)
 - (4) only (d)
- 25. If the head of cockroach is removed, it may live for few days because:
 - (1) the supra-oesophageal ganglia of the cockroach are situated in ventral part of abdomen.
 - (2) the cockroach does not have nervous system.
 - (3) the head holds a small proportion of a nervous system while the rest is situated along the ventral part of its body.
 - (4) the head holds a $1/3^{rd}$ of a nervous system while the rest is situated along the dorsal part of its body.

- 26. Which of the following statements are true for the phylum-Chordata?
 - (a) In Urochordata notochord extends from head to tail and it is present throughout their life.
 - (b) In Vertebrata notochord is present during the embryonic period only.
 - (c) Central nervous system is dorsal and hollow.
 - (d) Chordata is divided into 3 subphyla : Hemichordata, Tunicata and Cephalochordata.
 - (1) (d) and (c)
 - (2) (c) and (a)
 - (3) (a) and (b)
 - (4) (b) and (c)
- 27. Match the organism with its use in biotechnology.
 - (a) Bacillus thuringiensis
- (i) Cloning vector
- (b) Thermus
 - Thermus (ii) Construction of aquaticus first rDNA molecule
- (c) Agrobacterium tumefaciens
- (iii) DNA polymerase
- (d) Salmonella (iv) Cry proteins typhimurium

Select the correct option from the following:

- (a) (b) (c) (d)
- (1) (ii) (iv) (iii) (i)
- (2) (iv) (iii) (i) (ii)
- (3) (iii) (ii) (iv) (i)
- (4) (iii) (iv) (i) (ii)
- 28. Match the following concerning essential elements and their functions in plants :
 - (a) Iron
- (i) Photolysis of water
- (b) Zinc
- (ii) Pollen germination
- (c) Boron
- (iii) Required for chlorophyll biosynthesis
- (d) Manganese (iv) IAA biosynthesis Select the correct option :
 - (a) (b) (c) (d)
- (1) (ii) (i) (iv) (iii)
- (2) (iv) (iii) (ii) (i)
- (3) (iii) (iv) (ii) (i)
- (4) (iv) (i) (ii) (iii)

29.	Ider	tify th	ie inco	rrects	statem	ent.		34.						of the globe exhibits
	(1)		rt wood hanica			duct wa	ater but gives		high (1)	-	ecies di tern Gl			
	(2)					conduct	tion of water		(2)	Mad	lagasca	ar		
	(=)				n root t		tion of water		(3)	Himalayas				
	(3)				nermo colour.	st seco	ndary xylem		(4)	Ama	zon foi	rests		
	(4)				of tann rk in co		sins, oils etc.,	35.	Which of the following statements is no correct?					tements is not
30.	o. Match the following :					(1)		nan in nsulin		is syn	thesised as a			
	(a) Inhibitor of catalytic (i) Ricin activity(b) Possess peptide bonds (ii) Malonate					(2)		proins eptide.	ulin h	as an e	xtra peptide called			
						(3)	The functional insulin has A and B chains linked together by hydrogen bonds.							
	(c) Cell wall material in (iii) Chitin fungi						(4)	Gen	_	-	-	nsulin is produced		
	(d)	Seco	ondary	metab	olite	(iv)	Collagen							
Choose the correct option from the following:					36.			erse se l featur		of a pla	nt shows following			
	(1)	(a) (ii)	(b) (iv)	(c) (iii)	(d) (i)				(a)				scattere ndle sh	ed vascular bundles eath.
	(2)	(iii)	(i)	(iv)	(ii)				(b)		e cons	•		chymatous ground
	(3)	(iii)	(iv)	(i)	(ii)				(c)			ındles	conjoii	nt and closed.
	(4)	(ii)	(iii)	(i)	(iv)				(d)				ma abs	
31.	Meio	otic div	ision o	of the	second	ary ooc	eyte is		Ider	ntify th	e categ	ory of	plant a	and its part :
	com	pleted	:						(1) Monocotyledonous stem					
	(1)	Prio	r to ov	ulatior	1				(2)	Monocotyledonous root				
	(2)	At th	ne time	of cop	oulation	ı			(3)		tyledo			
	(3)	Afte	r zygot	e form	ation				(4)) Dicotyledonous root				
	(4)	At the		e of fu	usion o	of a spe	erm with an	37.		ch the		ving c	olumn	s and select the
2.0	A		4- D-l	h	Ta 41a.	l-l	1			Colı	ımn -	I		Column - II
32.	dive	rsity is	about	:	iay, the	e gioba	l species		(a)		5 pairs	of	(i)	Trygon
	(1)	_	nillion							gills				_
	(2)		nillion						(b)		erocero lal fin	cal	(ii)	Cyclostomes
	(3)	_	nillion						(c)		Bladde	n	(iii)	Chondrichthyes
	(4)	7 mi	llion											•
33.	The	first p	hase of	f trans	lation	is:			(d)		on stin	_	(iv)	Osteichthyes
	(1)	_			to ribo				(1)	(a) (ii)	(b) (iii)	(c) (iv)	(d) (i)	
	(2)		•		NA mol				(2)	(iii)	(iv)	(i)	(ii)	
	(3)		_		of tRNA				(3)	(iv)	(ii)	(iii)	(i)	
	(4)		•		anti-co				(4)	(i)	(iv)	(iii)	(ii)	

- 38. From his experiments, S.L. Miller produced amino acids by mixing the following in a closed flask:
 - (1) CH₄, H₂, NH₃ and water vapor at 800°C
 - (2) CH₃, H₂, NH₄ and water vapor at 800°C
 - (3) CH₄, H₂, NH₃ and water vapor at 600°C
 - (4) CH₃, H₂, NH₃ and water vapor at 600°C
- 39. Embryological support for evolution was disapproved by:
 - (1) Karl Ernst von Baer
 - (2) Alfred Wallace
 - (3) Charles Darwin
 - (4) Oparin
- 40. The process responsible for facilitating loss of water in liquid form from the tip of grass blades at night and in early morning is:
 - (1) Transpiration
 - (2) Root pressure
 - (3) Imbibition
 - (4) Plasmolysis
- 41. Secondary metabolites such as nicotine, strychnine and caffeine are produced by plants for their:
 - (1) Nutritive value
 - (2) Growth response
 - (3) Defence action
 - (4) Effect on reproduction
- 42. The oxygenation activity of RuBisCo enzyme in photorespiration leads to the formation of :
 - (1) 2 molecules of 3-C compound
 - (2) 1 molecule of 3-C compound
 - (3) 1 molecule of 6-C compound
 - (4) 1 molecule of 4-C compound and 1 molecule of 2-C compound
- 43. Bt cotton variety that was developed by the introduction of toxin gene of *Bacillus thuringiensis* (Bt) is resistant to:
 - (1) Insect pests
 - (2) Fungal diseases
 - (3) Plant nematodes
 - (4) Insect predators

- 44. Which of the following refer to correct example(s) of organisms which have evolved due to changes in environment brought about by anthropogenic action?
 - (a) Darwin's Finches of Galapagos islands.
 - (b) Herbicide resistant weeds.
 - (c) Drug resistant eukaryotes.
 - (d) Man-created breeds of domesticated animals like dogs.
 - (1) only (a)
 - (2) (a) and (c)
 - (3) (b), (c) and (d)
 - (4) only (d)
- 45. Identify the wrong statement with reference to immunity.
 - (1) When exposed to antigen (living or dead) antibodies are produced in the host's body. It is called "Active immunity".
 - (2) When ready-made antibodies are directly given, it is called "Passive immunity".
 - (3) Active immunity is quick and gives full response.
 - (4) Foetus receives some antibodies from mother, it is an example for passive immunity.
- 46. By which method was a new breed 'Hisardale' of sheep formed by using Bikaneri ewes and Marino rams?
 - (1) Out crossing
 - (2) Mutational breeding
 - (3) Cross breeding
 - (4) Inbreeding
- 47. Identify the correct statement with reference to human digestive system.
 - (1) Ileum opens into small intestine.
 - (2) Serosa is the innermost layer of the alimentary canal.
 - (3) Ileum is a highly coiled part.
 - (4) Vermiform appendix arises from duodenum.

48.	8. Match the following columns and selectorrect option.						52.				_	-	ect to meiosis :	
		-		т		Calarra II		(a)	Zygo		(i)		ninalization	
		Coru	ımn - İ	I		Column - II		(b)		ytene	(ii)		smata	
	(a)		tridiun	n	(i)	Cyclosporin-A		(c)	Diplotene		(iii)	Cross	sing over	
		buty	licum					(d)	Diak	inesis	(iv)	Syna	psis	
	(b)	Tricl	hodern	па	(ii)	Butyric Acid		Selec		correct option			from the following:	
		poly:	sporur	n				(.)		(a) (b)		(d)		
	(c)	Mon	ascus		(iii)	Citric Acid		(1) (2)	(iii) (iv)	(iv) (iii)	(i) (ii)	(ii) (i)		
			purpureus					(3)	(i)	(ii)	(iv)	(iii)		
			(iv)	Blood cholesterol lowering agent		(4)	(ii)	(iv)	(iii)	(i)				
			(d)		53.	Whice algae		s is of unicellular						
	(1)	(iii)	(iv)	(ii)	(i)			(1)	(1) Laminaria and Sargassum					
	(2)	(ii)	(i)	(iv)	(iii)			(2)	Gelidium and Gracilaria Anabaena and Volvox Chlorella and Spirulina					
								(3)						
	(3)	(i)	(ii)	(iv)	(iii)			(4)	Chlo	rella aı	nd <i>Spi</i>	rulina		
	(4)					54.		ne levels will cause from the graffian						
49.		Presence of which of the following conditions in urine are indicative of Diabetes Mellitus?						(1)		conce	ntratio	n of Es	strogen	
	(1)			d Keto				(2)	High concentration of Estrogen High concentration of Progesterone					
						.1:		(3)	Low					
	(2)			d Rena				(4)	Low	Н				
	(3)	Keto	nuria a	and Gly	cosur	ia		Mate	s and salact the					
	(4)	Rena	al calcu	ıli and	Hyper	glycaemia	55.		Match the following columns and select the correct option.					
50.	Flori	dean s	starch	has str	ucture	e similar to :			Colu	mn - 1	[Column - II	
J	(1)			cellulo				(a)	Bt co	tton		(i)	Gene therapy	
								(b)		osine		(ii)	Cellular defence	
	(2)	-	_	n and g		:11	 			ninase iency				
	(3)			nd algi				(a)		-		(;;;)	Detection of HIV	
	(4)	Lam	inarin	and ce	llulose	,		(c)	RNA	J		(iii)	infection	
51.	Selec disea		ption i	ncludir	ng all se	exually transmitted		(d)	PCR			(iv)	Bacillus thuringiensis	
	(1)	Gone	orrhoe	a, Sypł	nilis, G	enital herpes			(a)	(b)	(c)	(d)		
	(2)	Gone	orrhoe	a, Mala	aria, Ge	enital herpes		(1)	(iv)	(i)	(ii)	(iii)		
	(3)	AID	S, Mal	aria, F	ilaria			(2)	(iii)	(ii)	(i)	(iv)		
	(4)							(3) (4)	(ii) (i)	(iii) (ii)	(iv) (iii)	(i) (iv)		
	\T/	Cancer, AIDS, Syphilis						(1)	(1)	(11)	(111)	(11)		

56. Montreal protocol was signed in 1987 for control of:								61.	How many true breeding pea plant varieties did Mendel select as pairs, which were similar except						
	(1)				tically r to anot		ed organisms							ing traits?	
				•					(2)	2					
	(2)				_	_	ostances		(3) 14						
	(3)	Relea	ase of C	Green l	House	gases			(4) 8						
	(4)	-	osal of					62.		ch the ect opt	s and select the				
57.	Whi	ch of tl	ne folle	owing	is corr	ect abo	out viroids?			Colu	mn - 1	[Column - II	
	(1)	They	have l	RNA w	vith pro	otein c	oat.		(a)	Orga	n of Co	orti	(i)	Connects middle	
	(2) They have free RNA without protein coat.				rotein coat.			C				ear and pharynx			
	(3) They have DNA with protein coat.				oat.		(b)	Coch	ılea		(ii)	Coiled part of the			
	(4)	They	have	free D	NA wi	thout p	orotein coat.						labyrinth		
58.	The	ovarv i	vary is half inferior in :						(c)	Eust	achian	tube	(iii)	Attached to the oval window	
30.									(d)	Stap	es		(iv)	Located on the	
	(1)	Brinjal										basilar			
	(2)	Must												membrane	
	(3)		lower							(a)	(b)	(c)	(d)		
	(4)	Plum	1						(1)	(ii)	(iii)	(i)	(iv)		
									(2)	(iii)	(i)	(iv)	(ii)		
59.	The e	enzyme	e enter	okinas	se helps	s in cor	version of :		(3) (4)	(iv) (i)	(ii) (ii)	(i) (iv)	(iii) (iii)		
	(1)	prote	in into	polypo	eptides				(4)	(1)	(11)	(17)	(111)		
	(2)	tryps	inoger	into t	trypsin			63. In water hyacinth and water lily, pollination place by :							
	(3)	casei	nogen	into ca	asein				(1)	-	ts or w				
	(4)	pepsi	inogen	into p	epsin				(2) water currents only						
									(3)	wind	l and w	ater			
60.					with the cosyste		rrect species	6.4	(4) insects and water						
	(a)	Four	th trop	hic lev	vel	(i)	Crow	64.	spray	ying or	- 1 sugai	cane o	crop, ir	lator which upon acreases the length	
	(b)	Seco	nd trop	ohic lev	vel	(ii)	Vulture		of st crop		us inc	reasin	g the	yield of sugarcane	
	(c)	First	troph	ic leve	l	(iii)	Rabbit		(1)	•	kinin				
	(d)	Third	l troph	ic leve	el	(iv)	Grass		(2)	Gibb Ethy	erellin	l			
	Selec	et the c	correct	optio	n:				(3) (4)	•	isic aci	d			
	beier	(a)	(b)	(c)	(d)										
	(1)							65.						one facilitates the	
	(1)	(ii)	(iii)	(iv)	(i)				transfer of electrons from : (1) PS-II to Cytb ₆ f complex						
	(2)	(iii)	(ii)	(i)	(iv)				(2) Cytb ₆ f complex to PS-I						
	(3)	(iv)	(iii)	(ii)	(i)				(3) PS-I to NADP+						
	(4)	(i)	(ii)	(iii)	(iv)				(4)	PS-I	to ATI	synth	nase		

66.		ch of the following is not an inhibitory cance governing seed dormancy?	70.	o. Match the following columns and select the correct option.							
	(1)	Gibberellic acid			Colu	ımn -	I		Column - II		
	(1)	Gibbereine acid		(a)	Place	enta		(i)	Androgens		
	(2)	Abscisic acid		(b)	Zona	Zona pellucida (ii) Human C					
	(3)	Phenolic acid							Gonadotropin (hCG)		
	(4)	Para-ascorbic acid		(c)	Bulb glan	o-uret ds	hral	(iii)	Layer of the ovum		
67.		e the enzyme that facilitates opening of DNA during transcription.		(d)	Leydig cells (iv)				Lubrication of the Penis		
	(1)	DNA ligase		(1)	(a) (iv)	(b) (iii)	(c) (i)	(d) (ii)			
	(2)	DNA helicase		(2)	(i)	(iv)	(ii)	(iii)			
		DNA mala manage		(3)	(iii)	(ii)	(iv)	(i)			
	(3)	DNA polymerase		(4)	(ii)	(iii)	(iv)	(i)			
	(4)	RNA polymerase	71.	Strok	oili or o	cones a	re fou	nd in :			
			'	(1)	Salv						
68.	Whic	h of the following would help in prevention of		(2)	Pter	is					
	diure	sis?		(3)	Mar	chanti	а				
	(1)	More water reabsorption due to		(4)	Equi	isetum					
		undersecretion of ADH	72.						ell cycle and enter		
	(2)	Reabsorption of Na ⁺ and water from renal		vegetative inactive stage. This is called quiescent stage (G_0) . This process occurs at the end of:							
		tubules due to aldosterone		(1) M phase							
	(3)	Atrial natriuretic factor causes		(2)	G_1 pl						
	ω,	vasoconstriction		(3)	Sph	ase					
	(4)	Decrease in secretion of renin by JG cells		(4)	$G_2 p$	hase					
		Ž	73. Flippers of Penguins and Dolphins are examples of :								
69.		lation to Gross primary productivity and Net		(1)	Adaj	otive ra	diatio	n			
	-	ary productivity of an ecosystem, which one e following statements is correct?		(2)	Conv	vergent	evolu	tion			
		-		(3)	Indu	ıstrial	melani	ism			
	(1)	Gross primary productivity is always less than net primary productivity.		(4)	Natu	ıral sel	ection				
	(-)		74.		the distance between two consecutive base pairs						
	(2)	Gross primary productivity is always more than net primary productivity.		DNA	doub	le heli	x in a t	ypical	er of base pairs of a mammalian cell is h of the DNA is		
	(3)	Gross primary productivity and Net primary			oxima	_		iciigt	i of the DIVA IS		
		productivity are one and same.		(1)	2.0 r	neters					
	(4)	There is no relationship between Gross		(2)	2.5 r	neters					
		primary productivity and Net primary productivity.		(3)		neters					
		productive,		(4)	2.7 r	neters					

75.	The (1)	_	-		tandar auricle	d ECG represents :	80.	Match the following columns and select the correct option.						
	(2)	_			auricle				Column - I				Column - II	
	(3) (4)	_			ventric			(a)	Pituitary gland			(i)	Grave's disease	
76.	. Match the following columns and select the correct option.								Thy	roid gla	and	(ii)	Diabetes mellitus	
	COII	_	ımn -	I		Column - II		(c)	Adre	enal gla	(iii)	Diabetes insipidus		
	(a)	Eosinophils (i)			(i)	Immune response		(d)	Pan	creas		(iv)	Addison's disease	
	(b)	Basc	phils		(ii)	Phagocytosis			(a)	(b)	(c)	(d)		
	(c)	Neu	trophi	ls	(iii)	Release histaminase, destructive		(1)	(iv)	(iii)	(i)	(ii)		
								(2)	(iii)	(ii)	(i)	(iv)		
						enzymes								
	(d)	Lym	phocy	tes	(iv)	Release granules		(3)	(iii)	(i)	(iv)	(ii)		
						containing histamine		(4)	(ii)	(i)	(iv)	(iii)		
		(a)	(b)	(c)	(d)		81.	Select the correct statement.						
	(1)	(iii)	(iv)	(ii) (ii)	(i) (iii)			(1)	Gluc	ocorti	coids s	timulat	e gluconeogenesis.	
	(2) (3)	(iv) (i)	(i) (ii)	(iv)	(iii)			(2)	Gluc	agon i	s assoc	ciated v	vith hypoglycemia.	
	(4)	(ii)	(i)	(iii)	(iv)					_			reatic cells and	
								(3)		ocytes		panci	eatic cells allu	
77.	Whic			_		nents is correct? mine through two		(4)) Insulin is associated with hyperglycemia.					
	(1)		onds.	alis w	itii tiiy	mme tmougn two								
	(2)	Ade H-b	_	airs w	ith thy	mine through one	82.	Which one of the following is the most abu protein in the animals?						
	(3)		nine pa onds.	airs wi	th thyn	nine through three		(1)						
	(4)			es not	pair w	ith thymine.		(2)		agen				
78.	Thes	seguen	ice tha	t contr	ols the	copy number of the		(3)	Lect					
,	linke	ed DN.	A in th	e vecto	or, is te	ermed :								
	(1)			marke	r			(4)	Insu	llin				
	(2) (3)	Ori s		ic sequ	ence			-				c		
	(4)		gnitio	-	CIICC		83.					on of t is done	he chromosomal by:	
79.	Iden	tify the	e basic	amino	acid fi	rom the following.		(1)	Men	del				
, ,	(1)	•	sine			8.		(2) Sutton						
	(2)	Glut	amic A	cid										
	(3)	Lysi	ne					(3) Boveri						
	(4)	Vali	ne					(4)	(4) Morgan					

84.	ns and select the											
		Colu	ımn -	I		Column - II						
	(a)	Floa	ting Ri	bs	(i)	Located between second and seventh ribs						
	(b)	Acro	mion		(ii)	Head of the Humerus						
	(c)	Scap	ula		(iii)	Clavicle						
	(d)	Glen	Glenoid cavity			Do not connect with the sternum						
		(a)	(b)	(c)	(d)							
	(1)	(ii)	(iv)	(i)	(iii)							
	(2)	(i)	(iii)	(ii)	(iv)							
	(3)	(iii)	(ii)	(iv)	(i)							
	(4)	(iv)	(iii)	(i)	(ii)							
	(1) (2) (3) (4)	Zero One Two										
86.	duri	ng:		e synaj	ptonem	nal complex occurs						
	(1)		ytene									
	(2)	• •	tene									
	(3)	_	otene									
	(4)	Lept	otene									
87.		terally exempli			and ac	coelomate animals						
	(1)	Cten	ophor	a								
	(2)	Platy	yhelmi	nthes								
	(3)	Asch	elmin	thes								
	(4)	Ann	elida									
88.	The at:	body o	of the c	vule is	s fused	within the funicle						
	(1)	Hilu	m									
	(2)	Micr	opyle									
	(3)	Nuce	ellus									
	(4)	Chal	aza									

- 89. Goblet cells of alimentary canal are modified from:
 - (1) Squamous epithelial cells
 - (2) Columnar epithelial cells
 - (3) Chondrocytes
 - (4) Compound epithelial cells
- 90. Snow-blindness in Antarctic region is due to :
 - (1) Freezing of fluids in the eye by low temperature
 - (2) Inflammation of cornea due to high dose of UV-B radiation
 - (3) High reflection of light from snow
 - (4) Damage to retina caused by infra-red rays