S/SO/2013/10 ZOOLOGY

R	oll No.		
		BOOKLET N	10006
Candidate should write his/h	er Roll No. in the box above.	To	otal No. of Questions: 150
Time: 2 Hours]	No. of Printed Pag	es : 32	[Total Marks : 300

INSTRUCTIONS FOR CANDIDATES

- 1. All questions are compulsory.
- 2. All questions carry equal marks.
- 3. The question paper contains 150 questions. The examinee should verify that the requisite number of questions are printed in the question paper, otherwise he should ask for another question paper.
- 4. The cover page indicates the number of printed pages in the question paper. The examinee should verify that the requisite number of pages are attached in the question paper, otherwise he should ask for another question paper.
- Read carefully the instructions given on the answer sheet supplied and indicate
 your answers accordingly.
- 6. Kindly make necessary entries on the answer sheet only at the places indicated and nowhere else.
- Examinees should specially pay attention that 2 marks will be awarded for correct answer.
- 8. Examinees should do all rough work on the space meant for rough work on the last page of the question paper and nowhere else, not even on the answer sheet.

		2		
1.	The	most numerous, heterogenous	and v	versatile macromolecules of cells
	are:			
	(A)	Proteins	(B)	Lipids
	(C)	Carbohydrates	(D)	All of these
2.	Hepa	rin, the natural anticoagulant,	is an	example of:
,	(A)	Structural polysaccharides	(B)	Conjugated protein
	(C)	Mucopolysaccharides	(D)	Storage polysaccharides
3.	Accor	ding to "Template Theory", am	ino ac	eids first combine with :

(A) DNA (B) tRNA

(C) mRNA(D) **Proteins**

(A) mRNA is formed from DNA

Transcription is a process in which:

(B) Lysosomes digest the cell

The code is commaless

(C) Mitochondria are formed

(D) Protein is synthesised at ribosomes

(C)

Genetic code "characteristics":

(A) The code is a triplet codon (B) The code is non-overlapping

(D)

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All of these

		3	,			
6.	Enor	mous diversity of protein mole	cules i	s mainly due to diversity of :		
	(A)	(A) Amino acid sequences within the protein molecules				
	(B)	Amino groups of amino acids				
	(C)	R group of amino acids				
	(D)	Peptide bonds				
7.	Whic	h one is <i>not</i> a phospholipid?				
	(A)	Cephalins	(B)	Cerebrosides		
	(C)	Lecithins	(D)	Plasmalogens		
8.	The 1	most common phospholipids in	biome	mbrane is:		
	(A)	Cephalins	(B)	Cardiolipins		
	(C)	Plasmalogens	(\mathbf{D})	Cephalins and Lecithins		
9.	Intera	acting compounds preventing in	crease	or decrease in pH of body fluids		
	are c	alled :				
	(A)	Buffer system	(B)	Metabolic regulator		

(**D**)

Immune system

(C) Enzyme system

10.	The most important buffers in the body are:					
	(A)) Bicarbonate-CO ₂ buffer system				
	(B)	Phosphate buffer system				
	(C)	Protein buffer system				
	(D)	Lipid buffer system				
11.	Bioch	nemical mutations resulting imp	ortant	diseases in man is:		
	(A)	Albinism	(B)	Alkaptonuria		
	(C)	Phenylketonuria	(D)	All of these		
12.	Whic	h one is most suitable for micr	obial	genetics?		
	(A)	Paramoecium	(B)	Drosophila		
	(C)	Neurospora	(D)	All of these		
13.	Whic	th is not a Macrophage?				
	(A)	Monocyte	(B)	Kupffer cell		
	(C)	Neuron	(D)	Lymphocyte		
14.	Duri	ng glycolysis, ATP and the co-en	zyme	Mg ⁺⁺ help the enzymatic activity		
	of:					
	(A)	Phosphohexose isomerase	(B)	Glucokinase		
	(C)	Pyruvic acid kinase	(D)	Enolase		

If the sequence of bases in DNA is ATTCGATG, base sequence in its transcript will be:

(B)

(D)

(B)

(D)

(B)

(D)

(B)

(D)

(B)

(D)

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64

128

UAAGCUAC

AUUCGAUG

G1, G2, S, M

G2, G1, M, S

Metaphase

Interphase

Photosynthesis

Transpiration

15.

(A) **GUAGCUUA**

CAUCGAAU

How many mitotic divisions must occur in a cell to form 128 cells?

(A) 7

(C) 127

(C)

16.

17.

18.

19.

The correct sequence of stages in cell cycle is:

(A)

(C)

(A)

(C)

(C) M, S, G1, G2

G1, S, G2, M

Chromosome-replication occurs in :

(A) Prophase

Telophase Cristae of mitochondria help in:

Photo-oxidation

Respiration

		6		
20.	Whic	ch cell organelle is <i>not</i> bound b	оу 2 m	nembranes ?
	(A)	Endoplasmic reticulum	(B)	Nucleus
	(C)	Ribosome	(D)	Plastid
21.	Auto	immune disease is :		
•	(A)	Rheumatic fever	(B)	Glomerulonephritis
	(C)	Hashimoto's disease	(D)	All of these
22.	Hum	oral immunity develops due to	:	
	(A)	Invasion of parasites	(B)	Entry of fungi
	(C)	Entry of foreign tissues	(D)	Bacterial and viral infections
23.	Cell	organelles associated with secr	etion a	are:
	(A)	Ribosomes	(B)	Golgi complex
	(C)	Mitochondria	(D)	Lysosomes
24.	Inter	ferons are <i>not</i> produced by :		
	(A)	Leucocytes	(B)	Fibroblast
	$_{c}(\mathbf{C})$	Lymphocytes	(D)	Platelets
25.	Func	ction of centrosome is to:		
	(A)	Inhibit cell division	(B)	Initiate cell division
٠.	(C)	Provide site for cell division	(D)	None of these
				,

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			(
26.	Cell	ular immunity provides protect	ion fro	m slowly and gradually progressing
	dise	ases like :		
	(A)	Small pox, cholera	(B)	Influenza, leprosy
	(C)	Tuberculosis, leprosy	(D)	All of these
27.	Sper	rmatids develop from :		
	(A)	Spermatogonia	(B)	Primary spermatocytes
	(C)	Primordial germ cells	(D)	Secondary spermatocytes
28.	Opti	mum temperature required for	the dev	velopment of fertilized eggs of birds
	is:			
	(A)	25—28°C	(B)	30—35°C
	(C)	38—40°C	(D)	40—45°C
29.	Whe	n one type of tissue different	ate in	to another type of tissue during
	regei	neration, it is called :		
	(\mathbf{A})	Metaplasia	(B)	Morphogenesis
	(C)	Teratogenesis	(D)	Metamorphosis
30.	Whic	h vitamin prevents lipid oxida	tion of	membranes and is very effective
	in re	juvenation of human cells?		
	(A)	Vitamin A	(B)	Vitamin B ₁
	(C)	Vitamin E	(D)	Vitamin C

Which one accumulates in body in later stages of life?

The new cavity formed at the end of gastrulation is:

Regeneration of limb and lens in Urodeles is the example of:

"Colonial Theory" of the origin of metazoans was conceived by :

(B)

(D)

(B)

(D)

(B)

 (\mathbf{D})

(B)

(D)

(B)

(D)

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Capaciation

All of these

Archenteron

Metschnikoff

Hanson

Coelom

Influx of Na⁺ into the sperm

Free radicals and peroxides

Morpholactic regeneration

Compensatory regeneration

Acrosome reaction in sperms is triggered by: 31.

(A)

(C)

(A)

(C)

(A)

(C)

(A)

(C)

(A)

(C)

32.

33.

34.

35.

Release of fertilizin

Amnion

Blastocoel

Haeckel

Hyman

Release of lysin

Abnormal proteins

Lipofuchsin and chalones

Reparative regeneration

Epimorphic regeneration

36.	'Sur	face Tension Theory' and 'C	hange of	Viscosity Theory' explain:
	(A)	Ciliary movement	(B)	Flagellar movement
	(C)	Amoeboid movement	(D)	All of these
37.	Aris	totle's lantern of <i>Echinus</i> is	used for	· :
	(A)	Respiration	(B)	Mastication
	(C)	Reproduction	(D)	Circulation
38.	Whi	ch microscope will be use	ed for thi	ree-dimensional topography of
	objec	ets ?		
	(A)	Transmission electron mic	roscope	
	· (B)	Scanning electron microsc	ope	
	(C)	Fluorescence microscope		
	(D)	Ultramicroscope		
39.	Whic	ch is used for determination	of molecu	dar weight of proteins?
	(A)	Gel filtration chromatogra	phy	
	(B)	Paper chromatography		
	(C)	Thin layer chromatograph	у	
	(D)	None of the above		

40.	Holob	ranchiate, Merobranchiate, Plica	te, Mor	nopectinate and Bipectinate terms	
		sed to classify:			
	(A)	Gills of fishes	(B)	Gills of Crustaceans	
	(C)	Ctenidia of Molluscs	(D)	Gills of Annelids	
41.	Hydro	ostatic skeleton is best develope	ed in :		
	(A)	Hirudinea	(B)	Polychaeta	
	(C)	Oligochaeta	(D)	Echinodermata	
42.	Whiel	h larva represents a transitional s	stage in	n the line of emergence of bilateral	
	groups from radial groups ?				
	(A)	Pluteus	(B)	Tornaria	
	(C)	Trochophore	(D)	Muller's larva	
43.	Nerve	ous system of which phylum ex	khibits	maximum diversities ?	
	(A)	Cindaria	(B)	Annelida	
	(C)	Mollusca	(D)	Arthropoda	
44.	Produ	uct of recombinant DNA techno	ology i	s:	
	(A)	Tissue plasminogen activator	(B)	Hepatitis B vaccine	
	(C)	Interferon	(D)	All of these	

Replacement of "a faulty gene" by a normal healthy gene is called:

	(A)	Transgenics	(B)	Gene therapy
	(C)	Genomics	(D)	Diagnosis
46.	Most	biodiversity-rich zones of India	is:	
	(A)	Desert	(B)	Western Ghats
	(C)	North-East	(D)	Both (B) and (C)

(\mathbf{C}) North-East

Entoprocta

Rotifera

Phoronida

Ectoprocta

Bivalved shell

Cephalopoda

Arthropoda

Trochophore like larva

45.

47.

48.

49.

50.

(A)

(C)

(A)

(C)

(A)

(C)

(A)

(C)

One of these is not a lophophorate coelomate:

Mastax is a peculiar apparatus characteristic of the phylum:

Brachiopoda (B) (\mathbf{D}) Entoprocta Brachiopods resemble molluscs in having: (\mathbf{B}) Mantle lobes All of these (D)Jet propulsion mechanism of locomotion is found in : (B) Cephalochordata Echinodermata (D)

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(B)

(D)

Ectoprocta

Phoronida

51.	Whi	ch of the following processes h	nelps ir	nutrient conservation?
	(A)	Nitrification	(B)	Mineralisation
	(C)	Immobilization	(D)	Leaching
52 .	A fr	ee living nitrogen fixing bacter	ria pre	sent in soil is:
	(A) _,	Azotobacter	(B)	Rhizobium
	(C)	Nitrosomonas	(D)	Pseudomonas
53.	Orga	nn of Bojanus is found in :		
	(A)	Lamellidens inside pericardiu	ım	
	(B)	Palaemon inside pericardium		
	(C)	Pila inside pulmonary sac		
	(D)	Hirudinaria inside crop		
54.	Polye	embryony is seen in :		
	(A)	Annelida	(B)	Mollusca
	(C)	Fasciola	(D)	Taenia
55.	Kebe	r's organ in <i>Unio</i> is regarded	as an	organ for :
	(A)	Digestion	(B)	Excretion
	(C)	Respiration	(D)	None of these

56.	Whe	n huge amount of sewage is d	umped	l into a river, the BOD will:
	(A)	Increase	(B)	Slight decrease
	(C)	Decrease	(D)	Remain unchanged
57.	D.D.	T. is a:		
	(A)	Biodegradable pollutant	(B)	Non-biodegradable pollutant
	(C)	Chemosterilant	(D)	Fumigant
58.	The f	factor responsible for the depletion	n of pro	tective ozone layers of stratosphere
	is:			
	(A)	Acid rain	(B)	Chlorofluorocarbon
	(C)	CO_2	(D)	SO_2
59.	Polyz	zoa and Bryozoa are the other	name	of:
	(A)	Endoprocta	(B)	Ectoprocta
	(C)	Phoronida	(D)	Brachiopoda
60.	Speci	alised excretory organ is not for	ound i	n :
	(A)	Echinodermata	(B)	Onychophora
	(C)	Nematoda	(D)	Platyhelminthes

61.	Larva	al forms of Echinoderms show	that tl	ney have arisen from bilaterally
	symn	netrical ancestor and radial syn	ımetry	is a secondary acquisition. This
	prove	es:		
	(A)	Adaptation	(B)	Biogenetic law
	(C)	Convergent evolution	(D)	Divergent evolution
62.	The	entire bucco-pharyngeal region	is eve	rted out during feeding in :
	(A)	Leech	(B)	Asterias
	(C)	Nereis	(D)	Pila
63.	Intra	cellular as well as extracellula	r diges	tion occurs in :
	(A)	Protozoans	(B)	Annelida
	(C)	Planaria	(D)	Arthropoda
64.	The	most stable ecosystem is:		
	(A)	Desert	(B)	Forest
	(C)	Mountains	(D)	Ocean
65.	Нуро	thesis of ecological pyramid wa	s pres	ented by :
	(A)	Elton	(B)	Odum
	(C)	Darwin	(D)	Malthus

66.	6. Filter feeding mechanism is found in :							
	(A)	Brachiopoda	(B)	Rotifera				
	(C)	Bivalve molluscs	(D)	All of these				
67.	For	ingesting a motile food particles	like ci	liates and flagellates, Amoeba will				
	employ which method of ingestion ?							
	(A)	Circumvallation	(B)	Circumfluence				
	(C)	Invagination	(D)	Import				
68.	88. Systole and diastole are found in the working of:							
	(A)	Heart						
	(B)	Contractile vacuoles of Amoeba						
	(C)	Kidney						
	(D)	Both (A) and (B)						
69.	Pigm	ent sheaths in the ommatidia of	cockro	ach are non-contractile and hence				
	capable of:							
	(A)	Mosaic vision only	(B)	Superposition image only				
	(C)	Both (A) and (B)	(D)	None of these				
70.	Most	lost of the contraceptive pills have :						
	(A)	Estrogen and LH	(B)	Progesterone and LH				
	(C)	FSH and LH	(D)	Estrogen and Progesterone				

71.	Veno	us heart is found in:				
	(A)	Amphibians	(B)	Fishes		
	(C)	Reptiles	(D)	Birds		
72.	Resp	iratory function of embryo is po	erform	ed by:		
	(A)	Amnion	(B)	Chorion		
٠	(C)	Allantois	(D)	Yolk sac		
73.	Disco	oidal meroblastic cleavage occur	rs in :			
	(A)	Amphibians	(B)	Birds		
	(C)	Insects	(D)	Eutherians		
74.	Mac	Macromolecules especially proteins, nucleotides, nucleic acids, etc. are separate				
	by:			·		
	(A)	Thin layer chromatography	(B)	Paper chromatography		
	(C)	Electrophoresis	(D)	All of these		
75.	The	path of energy flow in an ecos	system	is:		
	(\mathbf{A})	Herbivores \rightarrow Producers \rightarrow (Carniv	$ores \rightarrow Decomposers$		
	(B)	Herbivores → Carnivores →	Produ	$cers \rightarrow Decomposers$		
	(C)	Producers → Carnivores →	Herbiv	$ores \rightarrow Decomposers$		
	(D)	Producers \rightarrow Herbivores \rightarrow	Carniv	$rores \rightarrow Decomposers$		

76.	Whic	h larva shows common ancestry	of Ech	iinodermata and Hemichordata
	(A)	Dipleurula larva	(B)	Muller's larva
	(C)	Tornaria larva	(D)	Auricularia larva
77.	Parei	ntal care is seen in:		
	(A)	Social insects	(B)	Alytes
	(C)	Syngnathus	(D)	All of these
78.	Aggr	essive behaviour is correlated v	vith ch	nanges in :
	(A)	Blood level of adrenalin	(B)	Level of sex hormones
	(C)	Limbic system	(D)	All of these
79.	Most	primitive type of nervous syst	em wit	thout brain is found in :
	(A)	Porifera	(B)	Platyhelminthes
	(C)	Coelenterata	(D)	Nematoda
80.	Anad	romous migration is seen in:		
	(A)	Anguilla	(B)	Protopterus
	(C)	Salmon	(D)	None of these
81.	Most	toxic excretory product is:		
	(A)	CO_2	(B)	Urea
	(C)	Uric acid	(D)	Ammonia

82.	Prokaryotes and Eukaryotes originated in :						
	(\mathbf{A}_i)	Archaeozoic era	(B)	Proterozoic era			
	(C)	Precambrian era	(D)	Combrian period			
83.	Wh	Which period is called "Age of fishes" ?					
	(A)	Devonian	(B)	Permian			
	(C)	Triassic	(D)	Silurian			
84.	Wh	ich one came just before "Peking	g man	" in the evolution of man?			
	(A)	Australopithecus	(B)	Java ape man			
	(C)	Neanderthal man	(D)	Cro-magnon man			
85.	What happens during germination of castor seeds?						
	(A) Proteins are converted into carbohydrates						
	(B) Fats are converted into carbohydrates						
	(C)	(C) Carbohydrates are converted into proteins					
	(D)	D) Carbohydrates are converted into fats					
86.	Transgenic animals show:						
	(A)	Efficiency in utilizing feed	(B)	Ability to grow faster			
	(C)	Resistance to certain diseases	(D)	All of these			

(D)

(B)

(D)

(B)

(D)

(B)

(D)

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Sweat

All of these

Sunandani

Ayrshire

Surrogate mother

All of these

All of the above

(A) LAt PA (B) BPV, Lactoferrin

(C) ALV, REV (D)

mMT/hGH, hMT/hGH Transgenic plants have been produced showing: Insect resistance

88. (A) Herbicide resistance (B)

Resistance against viruses

Lysozyme is found in:

 (\mathbf{C})

89.

90.

91.

(C)

87.

(A) Saliva

(C) Tear

The hybrid variety of cow produced at NDRI Karnal is:

(A) Sahiwal

Karanswiss (C)

Technique employed for improving the breed of cattles is : (A)

Superovulation

Embryotransplantation

92.	The 1	The main functions of free antibodies are:			
	(A)	Agglutination of particular ma	atter		
	(B)	Opsonisation			
	(C)	Neutralisation of toxins			
	(D)	All of the above			
93.	Brea	st cancer is an example of:			
	(A)	Metastasis	(B)	Leukemia	
	(C)	Sarcoma	(D)	Carcinoma	
94.	Synt	Synthesized vaccines are also known as :			
	(A)	First generation vaccines	(B)	Second generation vaccines	
	(C)	Third generation vaccines	(D)	None of these	
95.	In w	which zone of Biosphere Reserve	es, hui	man activity is not permitted?	
	(A)	Buffer zone	(B)	Core zone	
	. (C)	Manipulation zone	(D)	Restoration zone	
96.	Acco	ording to IUCN, which species	should	be protected first?	
	(A)	Endangered sp.	(B)	Rare sp.	
	(C)	Vulnerable sp.	(D)	Threatened sp.	

21

97.

(C)

(A)

(C)

(A)

(C)

100.

01.

PET scanning

CT scan

Antigens

Bacteria

ECT

Epilepsy can be detected by:

Colostrum secreted by mammary glands contains:

	(A)	IgA	(B)	$_{ m IgG}$
	(C)	$_{\mathrm{IgD}}$	(D)	$_{ m IgM}$
98.	Passi	ive immunity was discovered by	у:	
	(A)	Edward Jenner	(B)	Emil Von Behring
	(C)	Robert Koch	(D)	Louis Pasteur

	(A)	Edward Jenner	(B)	Emil Von Behring
	(C)	Robert Koch	(D)	Louis Pasteur
99.	Whic	h is used to study the location	of colo	our perception centres in human
	brain	?		

CT scanning (A) (B) Ultrasound imaging

 (\mathbf{D})

(B)

(D)

(B)

 (\mathbf{D})

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EEG

Antibodies

Both (A) and (B)

NMR imaging

Echo-encephalography

102.	Ran	Fungus (D) Protozoan ximum number of antigens present in human blood is: 2 (B) 4 5 (D) 6				
	(A)	Bacteria	(B)	Virus		
	(C)	Fungus	(D)	Protozoan		
103.	Max	imum number of antigens pres	sent in	human blood is:		
	(A)	2	(B)	4		
	(C)	5	(D)	6		
104.	104. Cytoplasmic inheritance is represented by :					
	(A)	Inheritance of plastids in 4 (O'clock	plant		
	(B)	Kappa particles in Paramoeci	um			
	(C)	Breast tumour in mice				
	(D)	All of the above				
105.	Allele	es producing independent effec	ets in	their heterozygous condition are		
	called	d :				
	(A)	Complementary	(B)	Codominant		
	(C)	Epistatic	(D)	Supplementary		
106.	Skin	colour in man is an example	of:			
	(A)	Blending inheritance	(B)	Grading inheritance		
	(C)	Quantitative inheritance	(D)	All of these		

107.	107. Polymorphonuclear leucocytes are:					
	(A)	Basophils	(B)	Eosinophils		
	(C)	Lymphocytes	(D)	Neutrophils		
108.	In ma	ammalian heart, conducting sys	stem ii	ncludes :		
	(A)	Bundle of His	(B)	Purkinje fibres		
	(C)	S-A node and A-V node	(D)	All of these		
109.	09. Which type of lungs are found in man?					
	(A)	Water lung				
	(B)	Book lung				
	(C)	Negative pressure type ventila	, ated lu	ing		
	(D)	D) Positive pressure type ventilated lung				
110.	The o	lorsal wall of the cerebrum in	mamn	nals is very thick and is known		
	as:					
	(A)	Corpus callosum	(B)	Neopallium		
	(C)	Epithalmus	(D)	Hypophysis		

?

111.	1. Which one increases the surface area of intestine for absorption in mamm							
	(A)	Valvulae conniventes						
	(B)	True villi						
	(C)	Microvilli of brush border of absorptive cells						
	(D)	All of the above						
112.	Which set of cranial nerves are purely sensory?							
	(A)	I, II IV	(B)	I, V, VII				
	(C)	I, II, VIII	(D)	None of these				
113.	The	function of parasympathetic ne	rvous	system in mammals is:				
	(A)	Constriction of pupil						
	(B)	Acceleration of heart beat						
	(C)	Stimulation of sweat glands						
	(D)	Contraction of arrector piloru	m					
114.	Mam	malian tactile receptors are :						
	(A)	Pacian corpuscles	(B)	Merkel's discs				
	(C)	Meissner's corpuscles	(D)	All of these				

115.	Due	Due to deficiency of ADH, rate of micturition:				
	(A)	Decreases	(B)	Increases		
	(C)	Remains the same	(D)	None of these		
116.	In O	rnithine cycle, which of the foll	owing '	wastes are removed from blood?		

(B)

(D)

(B)

(D)

(B)

(D)

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CO2 and Urea

Loop of Henle

Urea and sodium salts

Distal convoluted tubule

Pepsin and rennin

Cerebellum

Medulla oblongata

Trypsin and invertase

116.

(A)

bsorption of useful substances back into the blood from the filtrate in a hron occurs in :

NH₃ and Urea

CO2 and NH3

Rennin and trypsin

HCl and pepsin

Cerebrum

Hypothalamus

Thermoregulatory centre is situated in:

 (\mathbf{C})

117.	Reab	sorption of useful substances ba	ack int	to the
	neph	ron occurs in :		
	(A)	Collecting duct	(B)	Loo
	(C)	Proximal convoluted tubule	(D)	Dist
118.	Enzy	mes present in human gastric	juice	are :

(A)

(C)

 (\mathbf{A})

(C)

119.

120.	According to immunity theory of ageing, ageing starts with gradual atrophy				
	and disappearance of :				
	(A)	Thyroid	(B)	Thymus	
	(C)	Islets of Langerhans	(D)	Pineal body	
121.	Whi	ch set of hormones of	adeno.	hypophysis are required in	
	repr	oduction ?			
	(A)	PRL, FSH, LH	(B)	GH, FSH, LH	
	(C)	HCG, ICSH, PRL	(D)	PZ, GH, PRL	
122.	Gona	adotropic hormones are secreted d	lue to h	ypothalmic-release factor initiated	
	by:				
	(A)	Genetic biological clock locate	ed in h	ypothalmus	
	(B)	Clock of menstrual cycle			
	(C)	Both (A) and (B)			
	(D)	None of the above			
123.	The 1	term "synapse" was coined by :	:		
	(A)	Sherrington	(B)	McLennan	
	(C)	Pavlov	(D)	Sengar	

124.	A sub	stance present in the small int	estine	and inhibiting ga	stric secretion
	is:				
	(A)	Enterocrinin	(B)	Secretin	
	(C)	Enterogasterone	(D)	Gastrin	
125.	Defici	ency of vitamin 'C' causes:			
	(A)	Beri-beri	(B)	Pellagra	
	(C)	Pernicious anaemia	(D)	Scurvy	
126.	Histochemical method for detecting lipids is:				
	(A)	Biuret test	(B)	Sudan Black-B r	nethod
	(C)	Vidal test	(D)	T-test	
127.	Whic	h set includes all viral diseases	s ?		
	(A)	AIDS, Influenza, Rabies, Hepa	atitis-E	;	
	(B) AIDS, Yellow Fever, Leprosy, Influenza				
	(C) AIDS, Tetanus, Typhoid, Meningitis				
	(D)	Hepatitis-A, Rabies, Typhoid,	Diphtl	neria	
128.	8. Intraspecific competition is seen in :				
	(A)	Herbivores	(B)	Carnivores	
	(C)	Cannibals	(D)	Scavangers	

129.	Most	migratory birds perform:		
	(A)	Alimental migration	(B)	Climatic migration
	(C)	Diurnal migration	(D)	Gametic migration
130.	Tse	Γse fly Glossina palpalis the	host	of Trypanosoma gambiense is
	called	1:		
	(A)	Reservoir host	(B)	Vector
	(C)	Primary host	(D)	All of these
131.	One	of the following is a hyperparas	site:	
	(A)	Leishmania	(B)	Nosema notabilis
	(C)	Trypanosoma	(D)	An cylostoma
132.	The r	restoration of contaminated soil	and gr	oundwater by microorganisms is
	called	1:		
	(A)	Biomagnification	(B)	Bioremediation
	(C)	Encapsulation	(D)	Chemical treatment
133.	Multi	cellular eukaryotes with cell wa	ll and	tissues, cell organelles including
	plasti	ds are classified into kingdom	:	
	(A)	Protista	(B)	Plantae
	(C)	Fungi	(D)	Animalia

134.	Presence of post-anal tail is one of the characteristic features of :			
	(A)	Invertebrates	(B)	Arthropods
	(C)	Metazoans	(D)	Chordates
135.	All n	on-flowering plants are include	d into	:
	(A)	Cryptogamae	(B) ·	Phanerogamme
	(C)	Spermatophytes	(D)	Gymnosperms
136.	Wher	all the observations of any exper-	iment a	are arranged in order of magnitude
	either ascending or descending, the middle observation is known as:			e observation is known as:
	(A)	Mean	(B)	Median
	(C)	Mode	(D)	None of these
137.	The	fertilization process found in $T\epsilon$	aenia s	solium is called:
	(A)	Self-fertilization	(B)	Cross-fertilization
	(C)	Incestuosus	(D)	All of these
138.	Diger	netic and Viviparous parasite o	f man	is:
	(A)	Schistosoma	(B)	Wuchereria
	(C)	An cylostoma	(D)	Echinococcus

139.	Whic	ch causes great damage to suga	arcane	crop ?			
	(A)	Leptocorisa varicornis	(B)	Pyrilla perpusilla			
	(C)	Heliothis armigera	(D)	$Raphidopalpa\ foveicollis$			
140.	A ma	an has 'A' blood group and his	sister	with 'B' blood group. Which will			
	not k	not be possible genotype of their parent?					
	(A)	AO × BO	(B)	OO × AA			
	(C)	AB × OO	(D)	$AB \times AB$			
141.	Real	product of apiculture is:					
	(A)	Honey	(B)	Wax			
	(C)	Silk	(D)	Both honey and wax			
142.	Haplo	o-diploidy mechanism of sex de	termin	ation is found in:			
	(A)	Insects	(B)	Birds			
	(C)	Fishes	(D)	Bees, wasps and ants			
143.	Phase	e contrast microscope is used to	stud	y live cells for :			
	(A)	Cell division	(B)	Cell permeability			
	(C)	Endocytosis	(D)	All of these			
144.	"Proje	ect Tiger" was launched at :					
	(A)	Corbett National Park	(B)	Sundarbans National Park			
	(C)	Ranthambhor National Park	(D)	Manas National Park			

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145.	Which has the largest population of elephants?				
	(A)	Manas National Park	(B)	Dudhwa National Park	
	(C)	Kanha National Park	(D)	Bandipur National Park	
146.	MRI	is used to detect:			
	(A)	Minute cancerous tumors	(B)	Joint injuries	
	(C)	Slipped disc	(D)	All of these	
147.	Whic	h of the following syndromes s	hows t	crisomy ?	
	(A)	Down's syndrome	(B)	Edward's syndrome	
	(C)	Patau's syndrome	(D)	All of these	
148.	Whic	h one is never found in wild s	tate ?		
	(A)	Bombyx mori	(B)	Apis florea	
	(C)	Tachardia lacca	(D)	None of these	
149.	Amni	ota includes :			
	(A)	Agnatha and Gnathostomata	(B)	Agnatha, Pisces and Amphibia	
	(C)	Pisces and Tetrapoda	(D)	Reptilia, Aves and Mammalia	
150.	Whie	h phylum is classified chiefly o	n the	basis of skeleton ?	
	(A)	Mollusca	(B)	Porifera	
•	(C)	Annelida	(D)	Echinodermata	