

501.The most powerful pe	oison produced by verte	brates is				
a) Paratotoxin	b) Hypotoxin	c) Haemotoxin	d) Batrachotoxin			
502. What is true about class-Insecta?						
a) Two pairs of wings		b) One pair of wings				
c) Three pairs of joint	•	d) No wings				
503. Asymmetry in Gastro	•					
a) Torsion	b) Coiling	c) Twisting	d) None of these			
504. Choose the respirator	ry organ that are not pre		poda			
a) Tracheal system		b) Gills				
c) Water vascular sys		d) Book lungs				
505. The jawless vertebra	te is					
a) Crocodile	b) Loris	c) <i>Hyla</i>	d) <i>Petromyzon</i>			
506.In the given diagram	-	The second secon	ose the answer, in which			
these alphabets corre	ectly match with the par	ts they indicate.				
A B	HIN	aze 🗀	asses			
900°	Armarm.		in marrare			
	NEXI	LEVEL LE	ARNING			
P°						
a) A-Rostellum	B- Hooks C- Sucker	0				
b) A-Suctorial mouth		O				
c) A-Mouth	B-Tentacles C-Sucker	O				
d) A-Sucker	B- Hairs C- Ring	D-Proglottids				
507.A list of animals is given	•	nimals with open circu	latory system and			
choose the correct an	swer					
I.Ascidia						
II.Cockroach						
III.Earthworm						
IV.Prawn						
V.Silverfish						
VI.Snail						
VII.Squid						
a) II, IV and VI	b) I, II, IV and VI	c) III, IV, V and VII	d) II, IV, V and VI			
508. Parthenogenesis is a						
a) Sexual reproduction	n	b) Asexual reproduction	on			
c) Budding		d) Regeneration				
509. The integument of th	e frog is always kept mo	ist because				

 a) It cannot move with dry skin c) It cannot catch food with dry skin 510. What is true about Mollusc? a) Presence of metameric segmentation b) Presence of mantle cavity and coelom cavit c) Presence of tissue level of organisation d) Presence of chitinous exoskeleton 511. Higher phylum like echinoderms are 	b) It performs cutaneo d) It cannot jump bette ty	•		
a) Triploblastic animals	b) Quadroblastic anim	als		
c) Diploblastic animals	d) Uniblastic animals			
512.From the following statements select the wro	ong one.			
a) Millipeds have two pairs of appendages in	each segment of the boo	dy		
b) Prawn has two pairs of antennae				
c) Animals belonging to phylum-Porifera are	exclusively marine			
d) Nematocysts are characteristic of the phyl	um-Cnidaria			
513. The skeleton of corals is composed of				
a) Siliceous spicules b) Calcium sulphate	c) Calcium carbonate	d) Potassium sulphate		
514. The type of symmetry belongs to animals is				
a) Transverse symmetry	b) Lateral symmetry			
c) Bilateral symmetry	d) Oblique symmetry			
515.Scientific name of king cobra is	070	MCCAC		
a) <i>Naja naja</i> b) <i>Bungarus coerulus</i>	c) <i>Naja Hannah</i>	d) Vipera russelli		
516.Symmetry in Cnidaria is				
a) Radial b) Bilateral	c) Pentamerous	d) Spherical		
517. What is missing in the following diagram?	the state of the s			
a) Podium and tiedamanns body	b) Madrepori canal and	d madreporite		
c) Madreporite and podial canal	d) None of the above			
518.Frog's tadpole is				
a) Uricotelic b) Ureotelic	c) Ammonotelic	d) Aminotelic		
519.Sub-class-Prototheria is related with egg layi	ing mammal such as			
a) Kangaroo b) <i>Echidna</i>	c) Primate	d) None of these		
520. Which of these is referred to as 'Venus flowe	r basket'?			
a) <i>Spongilla</i> b) <i>Sycon</i>	c) <i>Euplectella</i>	d) <i>Cliona</i>		
521.Identify the aquatic mammal(s) from the foll	owing			
I. <i>Balenoptera</i>				
II. <i>Equus</i>				
III. <i>Delphinus</i>				
IV. <i>Pteropus</i>				

V. <i>Fel</i>	is					
a) I aı	nd III	b) II and IV	c) V only	d) IV and V		
522.Whic	h of the followin	g is a viviparous fish?				
a) <i>Ex</i>	ocoetus	b) <i>Gambusia</i>	c) <i>Clarias</i>	d) <i>Labeo</i>		
523. Members of this phylum exhibit adaptations to widely varied environmental conditions.						
Ident	ify the phylum					
a) Po	rifera	b) Coelenterata	c) Echinodermata	d) Mollusca		
524.What	is true about <i>Ne</i>	<i>ereis</i> , scorpion, cockroa	ch and silver fish?			
a) Th	ey all have jointe	ed paired appendages	b) They all possess do	rsal heart		
c) No	ne of them is aqı	uatic	d) They all belong to t	he same phylum		
525. <i>Salar</i>	nandra belongs	to sub-class				
a) Ap	oda	b) Urodela	c) Anura	d) None of these		
526.Chlor	agogen cells of e	earthworms are analogo	ous to vertebrate			
a) Lu	ngs	b) Liver	c) Gut	d) Kidneys		
527.Whic	h of the followin	g characters is present	essentially in chordates	3?		
a) Ve	ntral spinal chor	d				
b) Do	rsal heart					
c) Ph	aryngeal gill slits	3				
d) Blo	od flow in forwa	ard direction in ventral	blood vessels			
528.Whic	h of the followin	g is not absent in Mollu	sca?			
a) He	art	b) Pedicellaria	c) Ctenidia	d) Mantle		
529. In Ec	hinodermata, tul	be feet are related with	uze 🖳	U33C3		
a) Lo	comotion		b) Excretory system			
	comotion spiratory system		b) Excretory system d) Reproductive syste	m _{A TO ATTAICS}		
c) Re	spiratory system			MARNING		
c) Res	spiratory system	NEXT		ARNING		
c) Res 530.The r	spiratory system nantle in the phy	ı vlum-Mollusca is a	d) Reproductive syste	ARNING		
c) Res 530.The r a) Cal c) Sof	spiratory system nantle in the phy careous shell	ı vlum-Mollusca is a f skin	d) Reproductive syste	ARNING		
c) Res 530.The n a) Cal c) Sof 531.Selec	spiratory system nantle in the phy careous shell it spongy layer o	n vlum-Mollusca is a f skin tement.	d) Reproductive syste	vering		
c) Res 530.The ra a) Cal c) Sof 531.Selec a) Bir	spiratory system nantle in the phy careous shell it spongy layer of t the correct stat ds are poikilothe	n vlum-Mollusca is a f skin tement.	d) Reproductive syste b) Chitinous outer cov d) None of these	rering omic animals.		
c) Res 530.The n a) Cal c) Sof 531.Selec a) Bir c) Ear	spiratory system nantle in the phy careous shell it spongy layer o t the correct stat ds are poikilothe thworm is meta	olylum-Mollusca is a f skin tement. termic. termic.	d) Reproductive systeb) Chitinous outer covd) None of theseb) Flatworms are coel	rering omic animals. symmetrical.		
c) Res 530.The range of Calcal c) Soft 531.Select a) Birange of Eart 532.Whice	spiratory system nantle in the phy careous shell it spongy layer o t the correct stat ds are poikilothe thworm is meta	olylum-Mollusca is a f skin tement. termic. termic.	d) Reproductive systeb) Chitinous outer covd) None of theseb) Flatworms are coeld) Fishes are radially so	rering omic animals. symmetrical.		
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c) Res 530.The range of the ran	spiratory system nantle in the phy careous shell it spongy layer out the correct stateds are poikilother thworm is metally sacanth larva se the false option och and a system of the correct system of the correct states. Petromy nelid-Pseudocoed of earthworm is din colour, due to	f skin fement. ermic. ermically segmented. e cycle of <i>Taenia solium</i> b) Oncosphere on rical oblastic, radial symmet	d) Reproductive syste b) Chitinous outer cov d) None of these b) Flatworms are coel d) Fishes are radially so infects the intermediat c) Cysticercus larva ry, non-chordates Equus in in corpuscle	rering omic animals. symmetrical. te host?		
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536. Which of the following sets of derivative	s of integumentary structi	ıres characterize birds, as			
glorified reptiles? a) Scales and claws	h) Suriny and urang	b) Syrinx and uropygial gland			
c) Claws and uropygial gland	d) Syrinx and scales				
537.Which is not correct?	u) syriiix and scales				
a) Ovaries matured first in earthworm	h) Sparmathaca pras	b) Spermatheca present in 6-9 segments			
c) Male genital apertures at 18 segment		d) One pair of ovary in 13 segment			
538.Rostellum and hooks are absent in the so		III 13 Segillelit			
a) <i>Taenia saginata</i>	b) <i>Taenia solium</i>				
c) Echinococcus granulosus	,	d) Fasciola hepatica			
539.Ink glands are found in	a) i ascioia nepatica				
a) Sponge b) Star fish	c) <i>Sepia</i>	d) Jelly fish			
540. Which of the following is a monogenetic	· •	d) Jeny IIsh			
a) <i>Taenia solium</i> b) <i>Ascaris</i>	c) <i>Fasciola hepatica</i>	d) <i>Plasmodium vivax</i>			
541. Choose the correct option with reference	•	u) Flasilioululli vivax			
a) Hatching of embryos takes place in the		um o			
b) Adulthood is reached inside the body	•				
c) Development and moulting takes place		t			
d) Hatching of embryos takes place withi	•				
542. Which type of cells absent in sponges?	iii teli liours				
a) Trophocytes b) Myocytes	c) Archaeocytes	d) Cnidocytes			
543. Which one of the following statements a	F 10 6F 10 AF AL-AL 10.	III AT - 10 Vinc. Vinc. AS-all Vinc.			
penguin is correct?	bout all the lour of <i>Spongi</i>	na, ieecii, uoipiiiii aiiu			
a) Penguin is homeothermic, while the re	emaining three are noikilo	thermic			
b) Leech is a fresh water form, while all o		EARNING			
c) <i>Spongilla</i> has special collar cells called	yeners are marme				
three	t circuitocy tes, willen are in	iot iouna in the remaining			
d) All are bilaterally symmetrical animals	S				
544.In <i>Pheretima</i> , gizzard, buccal cavity, pha		geal nephridia receive the			
blood from which of the following blood		2·····································			
a) Supra oesophageal b) Lateral oesoph		d) Subneural			
545.Bat belongs to order	,	·			
a) Chiroptera b) Lagmorpha	c) Urodla	d) Hymenoptera			
546.The Indian salamander is	,				
a) Siren b) Tylototriton	c) <i>Ambystoma</i>	d) <i>Necturus</i>			
547.Earthworms are	•				
a) Ureotelic, when plenty of water is available	ilable				
b) Uricotelic, when plenty of water is ava					
c) Uricotelic under conditions of water s					
d) Ammonotelic when plenty of water is	available				
548. The notochord is derived from which of	the following layers?				
a) Ectoderm b) Mesoderm	c) Endoderm	d) Placoderm			
549.Book lungs are respiratory organs in					
a) Insects b) Arachnids	c) Molluscans	d) Echinoderms			
550. Which of the following is a harmful social	al insect?				

a) Termite	b) <i>Bombyx mori</i>	c) <i>Tachardia lacca</i>	d) <i>Apis indica</i>
551. Which type of res	spiratory organs are prese	nt in spiders and scorpi	ons?
a) Book lungs	b) Gills	c) Gill books	d) Lungs
552.Spermathecae in	Pheretima is located in the	e segments	
a) 14 to 18	b) 10 to 13	c) 6 to 10	d) 6 to 9
553.In bony ventebra	tes, the laying down of nor	ne is often preceded by	the presence of
a) Chitin	b) Starch	c) Cartilage	d) Platelets
554.The nerve net of	<i>Hydra</i> lacks		
a) Neurons		b) Connections	
c) Dendrites		d) Directions in impu	ılse
•	med by a fluid secreted by	_	
a) Abdominal gla		c) Cephalothorax	d) None of these
556.Choose the group		-, -,,	,
	Pheretima – Nereis		
b) Liverfluke <i>– Di</i>			
	nia – Ancylostoma		
	Fasciola – Dugesia		
	are expected to be found i	'n	
a) House lizard	b) Flying fish	c) Pigeon	d) Tadpole of frog
558.Maximum life spa	, , ,	c) i igeon	d) raupole of frog
a) 5	b) 10	c) 15	d) 20
	N / / / / / / / / / / / / / / / / / / /	() 15	u) 20
559. The group of ana	mniota includes		I WHO WO WO
-\ D(:) 11-:		h\ D' -dd	1
a) Reptiles and bi	rds	b) Birds and mamma	
c) Fishes and amp	rds phibians	d) Reptiles and mam	mals parting
c) Fishes and amp 560.Osteichthyes and	rds phibians Chondrichthyes are simila	d) Reptiles and mam ar in which of the follow	mals ring features?
c) Fishes and amp 560.Osteichthyes and a) Presence of tw	rds phibians	d) Reptiles and mam ar in which of the follow b) Presence of 10 pai	mals parting
c) Fishes and amp 560.Osteichthyes and a) Presence of tw ctenoid scales	rds phibians Chondrichthyes are simila o chambered heart and	d) Reptiles and mam ar in which of the follow b) Presence of 10 pai absence of neck	mals ring features? rs of cranial nerve and
c) Fishes and amp 560.Osteichthyes and a) Presence of two ctenoid scales c) Presence of ope	rds phibians Chondrichthyes are simila o chambered heart and esthonephric kidneys and	d) Reptiles and mam ar in which of the follow b) Presence of 10 pai absence of neck d) Presence of poison	mals ring features? rs of cranial nerve and
c) Fishes and amp 560.Osteichthyes and a) Presence of two ctenoid scales c) Presence of op- bony endoskelo	rds phibians Chondrichthyes are simila o chambered heart and esthonephric kidneys and eton	d) Reptiles and mam ar in which of the follow b) Presence of 10 pai absence of neck	mals ring features? rs of cranial nerve and
c) Fishes and amp 560.Osteichthyes and a) Presence of tw ctenoid scales c) Presence of op bony endoskeld 561.Medusa is the rep	rds phibians Chondrichthyes are simila c chambered heart and esthonephric kidneys and eton productive organ of	d) Reptiles and mam ar in which of the follow b) Presence of 10 pai absence of neck d) Presence of poison organs	mals ring features? rs of cranial nerve and n stings and electric
c) Fishes and amp 560.Osteichthyes and a) Presence of two ctenoid scales c) Presence of op- bony endoskelo 561.Medusa is the rep a) <i>Hydra</i>	rds phibians Chondrichthyes are simila o chambered heart and esthonephric kidneys and eton productive organ of b) <i>Aurelia</i>	d) Reptiles and mam ar in which of the follow b) Presence of 10 pai absence of neck d) Presence of poison	mals ring features? rs of cranial nerve and
c) Fishes and amp 560.Osteichthyes and a) Presence of two ctenoid scales c) Presence of op- bony endoskele 561.Medusa is the rep a) <i>Hydra</i> 562.Teeth of rabbit and	rds phibians Chondrichthyes are similated on chambered heart and esthonephric kidneys and eton productive organ of b) Aurelia	d) Reptiles and mam ar in which of the follow b) Presence of 10 pai absence of neck d) Presence of poison organs c) Obelia	mals ring features? rs of cranial nerve and n stings and electric d) Sea anemone
c) Fishes and amp 560.Osteichthyes and a) Presence of two ctenoid scales c) Presence of ope bony endoskeld 561.Medusa is the rep a) <i>Hydra</i> 562.Teeth of rabbit and a) Thecodont	rds Dhibians Chondrichthyes are similated to chambered heart and esthonephric kidneys and eton by Aurelia Te b) Diphyodont	d) Reptiles and mam ar in which of the follow b) Presence of 10 pai absence of neck d) Presence of poisor organs c) Obelia c) Heterodont	mals ring features? rs of cranial nerve and n stings and electric d) Sea anemone d) All of these
c) Fishes and amp 560.Osteichthyes and a) Presence of two ctenoid scales c) Presence of ope bony endoskele 561.Medusa is the rep a) <i>Hydra</i> 562.Teeth of rabbit an a) Thecodont 563.Which one of the	rds phibians Chondrichthyes are similate or chambered heart and esthonephric kidneys and eton productive organ of b) Aurelia re b) Diphyodont following pairs of items contains and the contains are because of the contains are by the contains are b	d) Reptiles and mam ar in which of the follow b) Presence of 10 pai absence of neck d) Presence of poisor organs c) Obelia c) Heterodont	mals ring features? rs of cranial nerve and n stings and electric d) Sea anemone d) All of these
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a) One	b) Two	c) Three	d) Four		
567. The cloaca in frog is a	a common chamber for	the urinary tract, repro	ductive tract and		
a) Alimentary canal		b) Portal system			
c) Hepatic portal ves	sels	d) Notochord			
568.Pecten, a comb-like s	tructure is found in the	eye of			
a) Fishes	b) Frogs	c) Birds	d) Mammals		
569.Food of <i>Hydra</i> is					
a) Aquatic plants		b) Aquatic animals			
c) Algae and aquatic	animals	d) Some crustaceans			
570.Dry skin with scales	or scutes without gland	is a characteristic of			
a) Fishes	b) Reptilia	c) Amphibia	d) Aves		
571.Metagenesis in seen	in				
a) <i>Hydra</i>	b) <i>Aurelia</i>	c) <i>Obelia</i>	d) <i>Adamsia</i>		
572.Sea mouse belongs to	o phylum				
a) Mollusca	b) Cnidaria	c) Arthropoda	d) Annelida		
573.Arms are absent in					
a) Sea urchin	b) Sea cucumber	c) Both (a) and (b)	d) None of these		
574.Integumentary neph	ridia are also called				
a) Enteronephric					
b) Exonephric	A	- 0			
c) Sometimes entero	nephric and sometimes	exonephric	MECAC		
d) Both (a) and (b)	2-1111	CIAC CI			
575. Which of the following					
a) Arthropoda – Cock		b) Annelida – <i>Hydra</i> d) Nemathelminthes	CARNING		
c) Echinodermata – S	Star fish	d) Nemathelminthes	- Ascaris		
576. Scorpion belongs to a		=	_		
a) Ticks	b) Crabs	c) Both (a) and (b)	d) Cockroaches		
577. Which is common be		•			
a) They have Malpigh		b) They are hermaph	rodite		
c) They have ventral		d) They have no legs			
578.Haemocoel is found i					
a) <i>Hydra</i> and <i>Aurelia</i>		b) Taenia and Ascaris			
c) Cockroach and <i>Pila</i>		d) <i>Balanoglossus</i> and	Herdmania		
579. Which one of the foll	_				
a) Presence of milk producing gland		b) They have two pairs of limbs			
c) Skin is unique in p	_	d) Homodont type of	dentition		
580.The flightless bird an					
a) <i>Columba</i>	b) <i>Neophron</i>	c) <i>Struthio</i>	d) <i>Corvus</i>		
581.Phylum-Aschelminth	ies is different from phy		1		
a) Symmetry		b) Shape of the body			
_	yers in embryonic stage	e d) None of the above			
582.Which of the following	•				
	s of class-Cyclostomata	•	ishes		
b) There are about 25	5.000 species in the clas	s-Osteichthyes			
	ne sub-phylum-Cephalo	-			

	Arthropods	_				.1		1'11	1
		riiera op	b) Omadid	igh which w		r leaves the Osculum	spongo		
,	Ostia	of the fe	•		•		tors and	d) Choanoo	-
	rrectly matc		nowing the	genus name	, ILS	two charac	ters and	i its ciass/pi	iyiuiii ai e
_	enus		haracters	Class/Phyli	ım	7			
a)	Salaman		mpanum	Amphibia	-	Pteropus	(i) Ski	n	Mammali
aj	dra		sents ear	n	S)	i teropus			
	ura	_	rtilisation	11			possesses hair a (ii) Oviparous		a
		is exte					(11) 0 v	ipui ous	
c)	Aurelia		doblast	Coelenter	d)	Ascaris	(i) Boo	dv	Annelida
,	C) Hurcha		gan level	ata	- /	11000110	segme	•	
		` '	anisation				_	ales and	
					J			es distinct	
585. If a	an earthwor	m is lef	t in 40% KO	H solution fo	or a	long time,	which p	art would be	e left
	dissolved?						•		
a)	Setae		b) Spermat	thecae	c) :	Sand particl	es	d) Circular	muscles
586. Se	lect the false	e statem	ent.						
a)	In rats, the t	eeth ar	e heterodon	t and thecod	lon	t			
b)	In female ra	ts, the u	rinary and g	genital apert	ure	es are locate	ed above	anus	
c)	In female ra	ts, six p	airs of nippl	es are prese	nto	on the ventr	al surfa	ce of the tru	ınk
d)	In rats, 12 p	airs of c	ranial nerve	es and 33 pa	irs	of spinal ne	rves are	present	C 5
587. W]	hich of the fo	ollowing	g belongs to	class-Insect	a?				
a)	Julus		b) Silver fis	sh	c)]	Lobsters	T. T.	d) Prawn	DIA
588. M a	ale and fema	le cock	roach are di	ffer due to p	res	ence or abs	ence of	ARN.	ING
a) .	Anal cerci		b) Anal sty	le	c)]	Both 'a' and	'b'	d) Anal sita	ie
589. Th	e internal b	uds of f	reshwater s	ponges are o	the	erwise calle	d.		
a)	Choanocyte		b) Gemmul	le	c) (Osculum		d) Blastula	
590. I n	honey bee, t	the dror	nes are						
a) Sterile male b) Fertile male c) Fertile female d) Sterile female						emale			
591.Ex	cretory orga	an of spi	der is						
a) Coxal glands b) Flame cells c) Malpighian tubule d) N				d) Nephrid	ia				
592. I n	nemathelmi	inthes, t	he coelom r	ot lined by p	per	itoneum is o	called		
a) .	Acoelom		b) Pseudoc	oelom	c)]	Enterocoelo	m	d) Haemoc	oel
593. W]	hich of the fo	ollowing	g are not me	mbers of su	b cl	ass-Anura?			
a)	Hyla, Xenop	<i>us</i> and .	Pipa		b) <i>Rhacophorus</i> and <i>Bufo</i>				
c) Ambystoma and lchthyophis			d) <i>Rana tigerina</i> and <i>Alytes</i>						
594. S p	ermathecae	in eartl	nworm is						
a)	For produci	ng sper	m						
b)	For storage	of speri	n obtained f	from male ea	arth	iworm			
c)	Both (a) and	d (b)							
d)	None of the	above							
595. W]	hich of the fo	ollowing	g is not a fea	ture of <i>Prot</i>	opt	terus?			
	Breathes thi		ings		b) '	Walks by fir	is used	as legs	
c)	c) Cannabilism d) It gives birth to young ones								

- 596.All mammals without any exception are characterized by
 - a) Viviparity and biconcave red blood cells
 - b) Extra-abdominal testes and a four chambered heart
 - c) Heterodont teeth and 12 pairs of cranial nerves
 - d) A muscular diaphragm and milk producing glands
- 597. Which one of the following is a flightless bird?
 - a) *Passer*
- b) Corvus
- c) Aptenodytes
- d) Pavo cristatus
- 598. The sclerite, covers the top to the head and the space between the two compound eyes in *Periplaneta*, is
 - a) Clypeus
- b) Labrum
- c) Vertex
- d) Genae

- 599. Cross fertilisation is favoured by
 - a) Neoteny
- b) Metagenesis
- c) Protandry
- d) None of these

- 600. Complete metamorphosis is found in
 - a) House-fly and mosquito

b) House-fly and cockroach

c) Mosquito and cockroach

d) None of the above

