Biology Classified MCQ Unit 3 2000 - 2020

Unit 3 - Evolution and Diversity of Organisms

Evolution of life.

(1) Which of the following statement is incorrect regarding the evolutionary process?

(1) Natural extinction of species is a part of the evolutionary process.

- (2) The last major extinction in the history of evolution of biodiversity is elimination of dinosaurs.
- (3) The rate of evolution of species is generally higher than the rate of extinction of species.

(4) Rate of extinction of species decreases with increase in human population.

(5) Extinaction of species favours the origin of new species.

- (2) Which of the following statements regarding Russel Wallace in correct?
 - (1) The experiments supported theory of inheritance of acquired characters.

(2) The experiments disproved the theory of spontaneous generaton of life.

(3) The carried out experiments to prove that organic matter can, arise from inorganic matter.

(4) The found evidence to support the theory of natural selection.

(5) The belived that life come to earth from outer space.

(2005)

(2005)

- (3) Which of the following events is an example of natural selection?
 - (1) Producing a better variety of paddy, by hybridization of two different paddy varieties.

(2) Increase of paddy harvest due to the application of weedicide in the field.

(3) Increase of insects, resistant to insecticides when insecticides are applied in the paddy field.

(4) Decrease in biodiversity when agrochemicals are applied in the paddy field.

(5) Decrease of paddy harvest due to repaid spread of brown hopper. (2005)

- (4) "Features which are diveloped by an organism within the lifetime as adaptations to environment are transmitted to the offspring."
 - (1) Thic is a view beleived by Charles Darwin.

(2) This is a theory put forward by Lamarck.

(3) This is an essential part of the theory of natural selection.

(4) This is a theory put forward by Thomas Malthus.

(5) This is necessary for the survival of the fittest.

(2007)

(5) Which is not an observation made by Darwin or Wallace in natural populations?

(1) Natural populations have high reproductive potential.

(2) Gene pools of populations stay unchanged over long periods.

(3) Individuals in a population show variations.

(4) There is much competition among members of a population.

(5) Many indiveduals of a population do not reproduce.

(2009)

(6) . Which of the following statements regarding the evolution of organisms is incorrect?

(1) Organisms that evolved first on earth were anaerobic prokaryotes.

(2) Organisms with extensive specilization face the risk of extinction.

(3) Evolution of highly advantageous characters has lead to adaptive radiation.

(14) Shelled eggs of reptiles and birds are an example for parallel evolution.

(2010) Warm bloodedness evolved before three dimensional vision.

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(7)	The first organisms formed on earth are considered to be (1) heterotrophic, anaerobic, eukaryotes (2) heterotrophic, anaerobic, prokaryotes (3) autotrophic, anaerobic, eukaryotes
	(4) heterotrophic, anaerobic, prokaryotes (5) autotrophic, aerobic prokaryotes (2020-1)
(8)	 Some statements regarding biochemical evolution are given below. P - Small organic molecules such as amino acids and nitrogenous bases were first formed in early oceans. Q - Small organic molecules polymerized to form organic macromolecules. R - Protocells contained nucleic acids enclosed in a membrane.
•	Which of the above statements is/are correct? (1) P only (2) Q only (3) P and Q only (4) Q and R only (5) P, Q and R (2020-8)
Hier	achi of classification
(1)	Which of the following is the natural unit of classification? (1) Phylum/Division (2) Class (3) Order (4) Family (5) Species (2000)
(2)	Which one of the following correctly represents the scientific name of man according to binomial nomenclature? (1) Homo Sepians (2) Homo sapiens sapians (3) Homo sapiens (4) Homo sapiens (5) Homo sepians (2003)
(3)	Which of the following is/are the major criterion/criteria used in classifying organisms into five kingdoms? (A) Type of nutrition (B) Type of reproduction (C) Cellular organization (D) Differentiation into true tissues (E) Evolutionary tends (2004)
(4)	Which of the following characteristics are found only in a procaryotic organism? (A) Anerobic respiration. (B) Mucopeptides in the cell wall. (C) Presence of naked DNA in the cytoplasm. (D) Ability to fix atmospheric nitrogen. (E) Reproduction by binary fission.

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(5)	The five kingdoms of into these kingdoms,				he organisms
	Kingdom	Characte	ristics		
	(1) Monera - Un	cellular or multic o tissues.	ellular, prokaryotic	c, cells not	differentiated
	(2) Fungi - Un		ellular, eukaryotic, o	cells not diffe	rentiated into
		ricellular or multice	llular, eucaryotic. tic, cells differentia	ited into tissu	ęs.
*	7)	icellular of multicel dues when multicel	ellular, eukaryotic, lular.	, cells differ	entiated into (2009)
(6)	Which one of the follo (1) Phylum (2) Cla	T	-	common char (5) Order	acteristics? (2010)
(7)	Which of the follow Eukarya?	wing characteristic	s is/are common	to Domains	Archea and
•	(B) Non-sensitivity				
	(D) Absence of pep	tidoglycans in the c	les in the cell memb	rane	(2011)
(8)	Members of the Doma		**	·	(2011)
<u>.</u>	(1) have cell walls wh(2) are ubiquitous.			g Auran	. >:
	(3) have only one type (4) are sensitive of ma	my antibiotics.			***
	(5) have cell membrar	nes which contain u	inbranched lipids.		(2013)
(9)	In the classification of	-			
କୁଟିଟ ବ	(1) Carl Woose(4) Carolus Linnaeus		·	3) Ernest Ha	(2016-8)
(10)	Which of the followin membrain?			nched lipids in	n the cell
	 Lyngbya, Holobae Clostridium, Strep Melursus, Staphy 	tomyces, Fasciola	and Chloroxylon		
	(4) Rhizopus, Hevea,(4) Macrognathus, M	Salmonella and Ge	lidium	, †	(2017-8)
(11)	Which of the followin (I) Viruses do not bel	g statements regard	ling classification of		
- ક ્ષ-િ	nucleus. (2) Protista is a natura				
	are included. (3) The number of cora species.	mmon characteristi	cs found within a ge	enus is higher	than that of
	(4) The kingdom of p (5) Robert Whittaker				(2018-8)
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(12) Some features of organisms are given below.

127 Some teateres of organisms are given below.							
Cellular	Peptidoglycan	RNA	Response to Streptomycin				
		Polymerase					
A - Prokaryotic			X-Growth inhibited				
B - Eukaryotic	Q - Absent	O - Several kinds	Y Growth not inhibited				

Select the responce that indicates the correct combination of above features for each of the organisms given below.

1) Nostoc - A, P, S, X

2) Thermococcus - A, P, R, Y

3) Euglena - B, P, S, X

4) Mucor - B, Q, S,Y

5) Planaria - B, Q, R,Y

(2020-9)

Diversity of organism within domain beteria.

- (1) Which of the following statements is incorrect regarding a bacterial plasmid?
 - (1) It is a circular DNA molecule.
 - (2) It replicates and moves along with daughter cell during cell division.
 - (3) It has only a small number of genes.
 - (4) It performs useful functions.
 - (5) It is essential for the existence of the cell.

(2004)

- (2) Which of the following statements is correct regarding Cyanobacteria?
 - (1) All of them move/locomotion is by flagella.
 - (2) All of them are found in fresh water.
 - (3) All of them form colonies.
 - (4) All of them fix atmospheric nitrogen.
 - (5) All of them possess photosynthetic pigments other than chlorphyll. (2008)

Diversity of organisms within kingdom Protista

- (1) Which of the following statements is/are correct regarding protista?
 - (A) They are unicellular.
 - (B) Some of them them are procaryotes.
 - (C) They live in aquatic and terrestrial habitats.
 - (D) Their cell wall is composed of cellulose.
 - (E) They are either absorptive or photosynthetic.

(2008)

- (2) Phylum Chrysophyta differs from other phyla of kingdom Protista due to which of the following characteristics?
 - (1) Absence of flagella in vegetative cells.
 - (2) Presence of mannitol as one of the storage products:
 - (3) Presence of chemoautotrophs in addition to photpautotrophs.
 - (4) Absence of choloropyll-b as a photosynthetic pigment.
 - (5) Presence of silica in the cell wall.

(2012)

Diversity of organisms within kingdom Plantae (1) Which of the following is a general feature of the class Dicotyledoneae? (1) Perianth is not differentiated into calyx and corolla. (2) Presence of dissected leaves. (3) Presence of scattered vascular bundles in the stem. (4) Presence of reticulate venation. (5) Absence of vascular cambium. (2001). (2) The following features were noted in an animal living in the marine environment. a) A cylindrical body b) Tentacles c) A body without a shell To which one of the following classes, this animal may belong? (1) Scaphopoda (2) Echinoidea (3) Holothuroidea (4) Hirudinea (5) Scyphozoa (2004)· (3) A student observed a legless animal with minutes scales, under debris in the home garden. This animal is most likely to (1) have a spiral shell. (2) have muscles attached to the body wall. (3) have an aquatic larval stage. (4) respire through epidermis. (5) excrete uric acid. (2006)Which of the following taxa contains terrestrial organisms? (4) (A) Crustacea (B) Chondrichthyes (C) Bryophyta (E) Echinodermata (D) Cyanobacteria (2006)To which of the following phyla, does Selaginella belon? (5) (1) Chlorophyta (2) Bryophyta (3) Cycadophyta (5) Lycophyta (4) Pterophyta (2008)Wheih one of the following is a feature thet can be seen in Lycophyta but not in (6)Pterophyta? (1) Flagellated male gametes (2) Sporangia attached to the upper surface of sporophylls (3) Stem as a rhizome (4) Gametophyte as a simple prothallus (5) Vascular tissues containing lignified cells (2010) -:0::1

Members of the group Lycophyta **(7)**

(1) are aquatic.

(2) produce gametophytes which are non-photosynthetic.

(3) are always homosporous:

(4) Have no vascular tissues.

(5) depend on external water for fertilization.

(2011)

(8)	Which of the following statements on the characteristics of kingdom Plantae is correct?
	(1) Cell walls contain peptidoglycan and cellulose.
	(2) Most of the lipids in the cell membrane are unbranched.
	(3) Glycogen and starch are the main storage food items.
	(4) Starting codon for protein synthesis is formyl methionine.
	(5) Some locomotory structures present in other kingdoms are found. (2012)
(9) .	Following features were observed in a plant which is commonly found in moist terrestrial environments.
	(a) Vascular tissue (b) Dominant sporophyte
	(c) Requirement of external water for fertilization.
	This plant may most likely belong to the phylum.
	(1) Bryophyta (2) Lycophyta (3) Cycadophyta
	(4) Coniferophyta (5) Anthophyta (2015)
(10)	Which of the following features is not found in class Monocotyledoneae? (1) Perianth (2) Trimerous flower parts
•	(3) Parallel venation in leaves (4) Tap root system
	(5) Scattered vascular bundles in the stem. (2015)
	(5) Beattered vascular bandles in the status
(11)	Which of the following is/are correct? (A) All terrestrial plants have vascular tissues.
	(B) All terrestrial plants are heterosporous.
	(C) All terrestrial plants have reproductive organs protected by a sterile cell layer.
	(D) All terrestrial plants except angiosperms do not show double fertilization in the
	life cycle.
	(E) All terrestrial plants produce seeds as an adaptation to terrestrial life. (2015)
(12)	Which of the following plants is evolutionarily closest to Marchantia?
,	(1) Anthoceros (2) Selaginella (3) Gnetum
	(1) Anthoceros (2) Selaginella (3) Gnetum (4) Pogonatum (5) Nephrolepis (2019-10)
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(13)	In dicotyledonous plants
1, ,7,	(I) stamens produce megaspores that develop into pollen grains
	(2) pollen grain has two openings.
	(3) seeds are present within carpels.
:: ·	(4) perianth may be present
:	(5) vascular bundles in the stem are scattered. (2019-11)
(1.4)	Spike mosses can be considered to be more similar to seed plants than club mosses do
(14)	due to the presence of
	(1) stems (2) leaves (3) heterospory (4) strobili (5) dominant sporophyte (2020-11)

Diversity of organisms within kingdom Fungi Fungi differ from bacteria because fungi (1) (2) have absorptive nutrition. (1) are saprophytic. (3) produce antibiotics. (4) are eukaryotic. (2000)(5) reproduce ascually. (2) Which of the following is correct regarding fungi? (1) Spores are produced only during asexual reproduction. (2) Diploid stage is represented in the vegetative phase. (3) Heterothallism is of common occurrence. (4) During reproduction fusion of cytoplasm and fusion of nuclei take place simultaneously. (5) Flagellated cells are produced during reproduction. (2001)(3) Which of the following is incorrect? (1) All Cyanobacteria are photoautotrophs. (2) All viruses are parasitic. (3) All bacteria are not chemoautotrophic. (4) All fungi are not filamentous. (2010)(5) All bacteria reproduce by binary fission. (4) A characteristic feature of fungi is (1) having cell walls made up of peptidoglycan. (2) having heterotrophic absorptive nutrition. (3) ingestion of food and digestion. (4) storing food as starch. (5) reproduction by endospores. (2018-3.7)Diversity of organisms within kingdom Animalia External features of classes of Animal Phyla Characteristic features of phylum chordata and classes of chordata During a field survey, a student observed an animal with scaleless smooth skin and (1) paired limbs in a fresh water pond. This animal is most likely ot belong to the (2) Class Chondrichthyes (1) Class Osteichtyes (3) Class Amphibia (4) Class Reptilia (5) Class Mammalia (2000)A nematode can be easily distinguished from an annelid due to (2) (1) cylindrical shape (2) unsegmented body (3) absence of suckers (4) absence of external gills (5) absence of appendages (2000)The invertebrate phylum that is evolutionarily most related to the Ohylum Chordata is

(2) Annelida

(5) Platyhelminthes

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(3) Echinodermato

(2001)

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(3)

(1) Arthropoda (4) Mollusca

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(4)	ecosystems and grouped belonging to which of the ecosystems?	the organisms observed e following taxa/taxon n	l into different taxa may have been obser	. Organisms		
	(A) Hirudinea	(B) Insecta	(C) Hydrozo			
	(D) Anthophyta	(E) Bryophyta		(2001)		
(5)	What taxon/taxa contain m	arine life?	1 4 50 Mg			
(2)	(A) Chlorophyta	(B) Bryophyta	(C) Chondric	hthyes		
	(D) Reptilia	(E) Lycophyta		(2002)		
(6)	Out of the following phylu	m-charecter pairs, which	is incorrect?	.0%		
(-)	Pyylum	Character		1 (A)		
	(1) Pterophyta	contains sori	6	4797		
	(2) Byrophyta	Has roots		+		
	(3) Cycadophyta	Contains mega	sporophylls			
	(4) Mollusca	Has a ventral fe		4		
	(5) Echinodemata	Has an endoske		(2002)		
(7)	This animal could belong to (1) Nematoda (2) Anne	C) walking legs D) lothe class lida (3) Molusca	Oorsoventrally flatene	chordata (2002)		
(8)	The first grpup of animals					
	(1) Coelenterates	(2) Flat worms	(3) Ammelids			
	(4) Arthropods	(5) Molluscs		(2003)		
(9)	Animals belonging to class	Chondrichtyes		r vija)		
	(A) Have placoid scales			*)		
	(B) Have no operculum					
	(C) Possess tail fins with	two similar lobes.		* 3'		
,	(D) Have skelectons made	up to bone				
	(E) Live both in fresh wat	er and marine habitats.	· * * * * * * * * * * * * * * * * * * *	(2003)		
(10)	Organisms belonging to water ponds of Sri La	-	g taxonomic groups is	s not seen in		
		(2) Cnidaria	(3) Echinoder	mata		
	(1) Cyanobacteria	(5) Mollusca	(2) Ecumoder	.5		
	(4) Chlorophyta	(3) Monusca	e e e e e e e e e e e e e e e e e e e	(2005)		
(11)	Which one of the following is not a characteristic feature of class Monocotyledonae?					
	(1) Presence of adventition	is roots.				
	(2) Absence of pith in roots,					
	(3) Presence of scattered vascular bundles in the root.					
	(4) Presence of floral parts		\$, \$. 4 - 5	** «		
_	(5) Presence of parallel ver	nation in leaves.		(2007)		
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(12)	Which one of the follo	owing groups of animals	has the closest evo	lutionary			
4 %	(1) Annelids	(2) Nematodes	(3) Molluscs				
	(4) Arthropods	(5) Echinoderms	(5) 11101111100	(2007)			
	(4) Attinopous	(5) Echinodettiis	•	(2007)			
(13)	Ommatidia are found in						
(10)	(1) Flat worms	(2) Annelids	(3) Arthropods				
	(4) Molluscs	(5) Coelenterates		(2007)			
		(1)					
(14)	Which of the following	statements is/are correct re	garding members of	the class			
	Echinoidea?		, s s forts				
	(A) Their locomotion is b	y tube feet.					
	(B) They possess pedicellaria.						
	(C) Some of them possess	s long arms.					
	(D) Some of them possess	s flat disc shaped bodies.	ends and the second				
	(E) Some of them lack an	anus.		(2007)			
(15)	Brittle stars differ from o	ther Echinoderms because th					
	(1) possess pedicellaria	(2) lack respirato	ry trees				
	(3) possess spicules	(4) lack an anus					
	(5) possess tentacles	Street Street	, (C	2008-4)			
	toppi same seem						
(16)	A shark differs from a ska			-			
		그렇게 하지 않아요요? 이번 하지 않아요? 나는 뭐 그런 그런 그는 사람이 나를 다 했다.) heterocercal coudal f				
	(4) lateral eyes (5)	ventral fins		(2008)			
(14)	Which are of the followin	g features in not unique to p	hyllum Echinodermats	2			
(17)			nynam benmouerman	••			
	(1) Locomotion by tube for						
÷ ,	(2) Presence of ambulacra						
	(3) Respiration by respira						
	(4) Deuterostomic develop			(2009)			
	(5) Presence of water vasc	cular system.		(2007)			
(18)	X student observed a dor	soventrally flattened soft b	odid animal crawling	on a wet			
(10)	surface in his home garder	n on a rainy day. Which one	of the following is no	ot likely to			
e m	be present in this animal?						
	(1) Circular muscles	(2) Cilia	(3) Anus				
	(4) Longitudinal nerve cor		**************************************				
1.50	(4) PoliBiranium noi 10 apr	(5) 2.10.00.7 0.2	1,000				
(19)	Some characteristics of the	ree animals labelled A, B a	nd C are as follows.	• 1			
(3,7)	(i) All threes animals show bilateral symmetry and cephalization.						
	(ii) Alimentary canals of A and B are complete while in C it is incomplete.						
	(iii) Gills and dorsal hearts are present only in A and B.						
	(iv) A has an exoskeleton, B has and endoskeleton and C does not have and						
	exoskeleton or and endoskeleton.						
	exoskeletoli ol alia e	TIMOSKAIAIOII)	1 1/2				

	The animals labelled A, B an (1) prawn, squid and tapewor (3) sea turtle, tuna and planar	rm. (2)	y snail, tilapia and car crab, snail and liver	fluke.
•	(5) prawn, mussel and tapewo	orm.		(2011)
(20)	Which of the following Echinodermata?	characters could	be seen in both	Annelida and
	A – Well developed coelom D – Gills	B – Nephridia E – Larval stages	C - External fert F - Ceph	1
• .		(2) A, C and D on (5) A and E only	ly (3) A, C, D	and E only (2011)
(21)	Which of the following struct		all echinoderms?	•
	(A) Central disc, spines, resp	•	- (a)	
	(B) Arms, pedicellaria, cloac		5	
	(C) Radial nerves, coelom, go			
4:	(D) Tube-feet, endoskeleton,(E) Anus, pinnules, eyespots		em ,	(2012)
(22)	A chordate possesses the followa. External fertilization	owing features. b. Larval stages	d. Oviparity	c. Eyelids
,•	Other features that could be formal (A) limbs, homoiothermy and (B) scales, dermal glands and (C) 3-chambered heart, midd (D) teeth, 10 pairs of cranial (E) nictitating membrane, ex	d cartilage. d tail. lle ear and bony ske nerves and lungs.	eleton.	(2012)
(23)	Which of the following structs Phylum Platyhelminthes?	ures can be seen in	Phylum Mollusca as	well as in
	 (1) Ganglia, gills, suckers (2) Nerve cords, excretory due (3) Nerve ring, eye spors, nuc (4) Chemoreceptors, tentacles (5) Statocysts, hooks, gonadal 	ous glands , nephridia	a sala persona di sala sala sala sala sala sala sala sal	1
(24)	Which of the following statem classes with homoiothermic at (1) All vertebrate classes with (2) All vertebrate classes with (3) All vertebrate classes homoiothermic animals. (4) All vertebrate classes with cranial nerves. (5) All vertebrate classes homoiothermic animals.	ninals is correct? homoiothermic an oveoviviparous an with animals ho homoiothermic an with animals si	imals have viviparous imals have homosother aving nictitating numbers in the control of the cont	is animals. rmic animals. rembranes have with 12 pairs of

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6)-1		(5) Aves		(2015)		
4	(1) Chondrichthyes (4) Reptilia	(2) Osteichthyes	(3) Amph			
· ·	pairs of cranial nerves?					
(31)	Which of the following anir	mal groups is poikilo	thermic. ovinarous a	nd possesses 12		
•	(E) Presence of an exoskele		alcium carbonate.	(2015)		
•	(D) Absence of legs in the a			12		
\$1.7	(C) Presence of three pairs	The state of the s	· ·			
	(B) Presence of one pair of					
(30)	Which of the following feate (A) Body divided into head			es?		
	(5) Cerebral ganglia	i en en e		(2015)		
• 1	(3) Hydrostatic skeleton	(4)	Gonads with ducts	(0015)		
	(1) Well developed body cav		Cuticle	** 9		
	nematode?	المعادات المعادات	0	x 1		
(29)	Which of the following featt	ures can be used to di	stinguish an annelid f	rom a		
		,		(2014-11)		
	(5) carangid, <i>lchthyophis</i> , grey mullet and shark					
	(4) shark, lehthyophis, skate		33	· ·		
	(3) carangid, shark, grey mu		4	4		
	(2) grey mullet, tuna, <i>lchth</i>					
	•	Specimens A, B, C and D in correct sequence are (1) tuna, carangid, grey mullet and skate.				
	D - Two spines separated from		. \			
	C - A yellow band on either					
	B - Blackish longitudinal ba		n.	*.		
	A – Two dorsal fins			· • ·		
	below.	V.				
(28)	An external feature of each	h of the specimens I	abelled as A, B, C	and D is given		
		(3) A c ii (4)		(2014-10)		
	Which of the following 'mol			correct?		
	D - Squid	d - External she				
	C - Oyster	c - Radula	iii - Terre			
	B - Snail	b - Tentacles		water		
	A - Mussel	a - Eyes	i - Marir			
1 - 1	in the following table. Mollusc	Structure	Environm	ent		
(27)	Few molluses, some structu	ires they possess and	the environment the	y live are given		
	(5) parrot, dragonfly, skate			(2014)		
	(3) cockroach, mullet, liver		chthyophis, tape wor	•		
	(1) Planaria, Butterfly, sna	10.1	hark, Bipalium, hous	•		
· .	internal fertilization?			d		
(26)	Which of the following grou	ips includes an anima	l/animals that does/do	not show		
en i		(5) 2011111201111018		(2014)		
	(4) Mollusca	(5) Echinodermata	(3) Nomaioda	(2014)		
(23)	(1) Platyhelminthes	(2) Annelida	(3) Nematoda	mytaf		
(25)	Which of the following phyl	le does not include an	imals that possess suc	kers?		

(32)	(1) Chytridiomycota and Lycophyta (2) Zygo				main stored tota and Pter hyta and Pha	ophyta *
(33)	A student observed a in each segment of the (1) Crustacea	n animal with the body. This (2) Chilopo	animal belo	ngs to class	•	of appeadages
	(4) Insecta	(5) Arachni		B) Diploped	18.	(2016-10)
(34)	Which of the followi (A) Internal skeleton (D) Well developed	(B)	atures can be Gills Radula		h chordates a nternal fertili	
(35)	Presence of internal infeatures of which of (1) Arenicola	fertilization as the following	nd a nerve ri animals?		18 7 5	al stage are the
	(4) Bipalium		Decophylla Spider	(3) E	rthworm	(2017-9)
(36)	When preparing a did millipede, cockroach useful?		•	nich of the fo	ollowing may	y be least
	(1) Exoskeleton	(2) Antenna	ae (3) Eyes	s (4) W	ings (5)	Legs (2017-1 0)
(37)	Which of the following with tentacles and wi	thout a ventre	al heart?			
	• • • • • • • • • • • • • • • • • • • •	rve ring		inac (4) Gi .'		Pinnules (2018-9)
(38)	A poikilothermic animate following structure			r nitrogenou	s waste may	have which of
	(A) Gills (D) Lungs	(B) Four-ch (E) Beak	nambered he	art	(C) Neck	(2018-44)
(39)	During the evolution (1) Annelida.		, coelom wa Arthropoda.	s first devel	oped in (3) Mollus	ca
	(4) Echinodermata.	• • •	Chordata	•	(0)	(2019-8)
(40)	Which of the following (1) Clitellum (4) Capillaries	(2) P	can be seen i Parapodia Chitinous exc			arthropods? nerve cord (2019-9)
(41)	Which of the following				aving interna	
	as well as those having external	fertilization?	• • • • • • • • • • • • • • • • • • •			÷.
	(A) Osteichthyes (D) Chondrichthyes		Amphibia		(C) Reptili	a (2019-42)

(42) 55 Some structures seen among animals are as follows Protonephridia, mantle and nematocysts Organisms showing each of the above structures in correct sequence are

(1) Obelia, hook worm and Fasciola (2) Planaria, slug and jellyfish

(3) Taenia, pin worm and Obelia

. (4) Fasciola, earthworm and Hydra

(5) Sea cucumber, snail and Obelia

(2020-10)

Several features seen among some chordates are as follows. (43)

A - Keratinized structures

B - Internal fertilization

C - Parthenogenesis

D - Marine life

Which of the above features can be seen in the organisms of classes Reptilia, Aves and Mammalia?

(1) A and B only

17 3 1 25

(2) A and C only

(3) B and D only

(4) A, B abd C only

(5) A, B and D only

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(2020-12)

Unit 3

Hierarchy of taxa
(1) 4 (2) 4 (3) 3 (4) 2 (5) 2 (6) 4
(7) 4 (8) 5

Hierarchy of taxa

(1) 5 (2) 4 (3) 2 (4) 5 (5) 5 (6) 3 (7) 1 (8) 1 (9) 3 (10) 1 (11) 2 (12) 4

Diversity of organism within domain beteria.

(1) 5 (2) 5

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Diversity of organisms within kingdom Protista

(1) 5 (2) 5

Diversity of organisms within kingdom Plantae

(1) 4 5 2 (5) (6) 2 **(2)** . 3 (4) 5 (3) 2 5 4 (12)(8) 2 4 **(7)** (9) (10)(11)

(13) 3 (14) 3

Diversity of organisms within kingdom Fungi

(1) 4 (2) 3 (3) 5 (4) 2

Diversity of organisms within kingdom Animalia External features of classes of Animal Phyla Characteristic features of phylum chordata and classes of chordata

3 (1) (2) 2 2 (3) 3 (4) 1 (5) 2 (6) 3 (12)**(7)** (8) 1 5 (10)3 2 5 (9) (11)(13)3 3 (14)1 (15)4 4 4 (18)(16)(17)(19)(20)(21)(22)(24)4 all 3 4 4 (23)3 (25)2 3 (29)3 3 (26)(27)(28)2 1/5 (30)5 2 5 (32)(35)(36)1 (31) 4 · (33) (34)4 (37)5 (39)(40)3 (41)3 (42)2 4 (38)1

(43) 5