

1. Consider the following statements :
(2024)

- A. Annelids are true coelomates
- B. Poriferans are pseudocoelomates
- C. Aschelminthes are acoelomates
- D. Platyhelminthes are pseudocoelomates

Choose the correct answer from the options given below:

- (a) A only (b) C only
- (c) D only (d) B only

2. Match List I with List II : (2024)

List I		List II	
A.	Pterophyllum	I.	Hag fish
B.	Myxine	II.	Saw fish
C.	Pristis	III.	Angel fish
D.	Exocoetus	IV.	Flying fish

Choose the correct answer from the options give below:

- (a) A-III, B-I, C-II, D-IV
- (b) A-IV, B-I, C-II, D-III
- (c) A-III, B-II, C-I, D-IV
- (d) A-II, B-I, C-III, D-IV

3. Match List I with List II : (2024)

List I		List II	
A.	Pleurobrachia	I.	Mollusca
B.	Radula	II.	Ctenophora
C.	Stomochord	III.	Osteichthyes
D.	Air bladder	IV.	Hemichordata

Choose the correct answer from the options given below:

- (a) A-II, B-I, C-IV, D-III
- (b) A-II, B-IV, C-I, D-III
- (c) A-IV, B-III, C-II, D-I
- (d) A-IV, B-II, C-III, D-I

4. The following are the statements about non- chordates: (2024)

- A. Pharynx is perforated by gill slits.
- B. Notochord is absent.
- C. Central nervous system is dorsal.
- D. Heart is dorsal if present.
- E. Post anal tail is absent.

Choose the most appropriate answer from the options given below :

- (a) A, B & D only (b) B, D & E only
- (c) B, C & D only (d) A & C only

5. Match List-I with List-II. (2023)

List - I		List - II	
(A)	Contractile vacuole	(I)	Asterias
(B)	Water vascular system	(II)	Amoeba
(C)	Canal system	(III)	Spongilla
(D)	Flame cells	(IV)	Taenia

Choose the correct answer from the options given below :

- (a) A-IV, B-II, c-I, D-III
- (b) A-I, B-III, C-II, D-IV
- (c) A-III, B-II, C-I, D-IV
- (d) A-II, B-I, C-III, D-IV

6. Radial symmetry is NOT found in adults of phylum _____. (2023)

- (a) Hemichordata
- (b) Coelenterata
- (c) Echinodermata
- (d) Ctenophora

7. Select the correct statements with reference to chordates. **(2023)**
 A. Presence of a mid-dorsal, solid and double nerve cord.
 B. Presence of closed circulatory system.
 C. Presence of paired pharyngeal gill slits. D. Presence of dorsal heart
 E. Triploblastic pseudocoelomate animals. Choose the correct answer from the options given below:
 (a) B and C only
 (b) B, D and E only
 (c) C, D and E only
 (d) A, C and D only
8. The unique mammalian characteristics are: **(2023)**
 (a) Hairs, pinna and mammary glands
 (b) Hairs, pinna and indirect development
 (c) Pinna, monocondylic skull and mammary glands
 (d) Hairs, tympanic membrane and mammary glands
9. Which of the following animals has three chambered heart? **(2022)**
 (a) Pteropus
 (b) Scoliodon
 (c) Hippocampus
 (d) Chelone
10. Select the incorrect statements with respect to Cyclostomes: **(2022)**
 (A) They lack scales and paired fins.
 (B) They have circular mouth with jaws.
 (C) They bear 6-15 pairs of gills.
 (D) They migrate to deep sea for spawning.
 Choose the most appropriate answer from the options given below:
 (a) (a) and (d) only
 (b) (a) and (b) only
 (c) (b) and (c) only
 (d) (b) and (d) only
11. Exoskeleton of arthropods is composed of: **(2022)**
 (a) Cutin
 (b) Cellulose
 (c) Chitin
 (d) Glucosamine

12. **Assertion (A)** : All vertebrates are chordates but all chordates are not vertebrates.

Reason (R) : Notochord is replaced by vertebral column in the adult vertebrates. **(2022)**

- (a) Both A and R are correct and R is the correct explanation of A
 (b) Both A and R are correct but R is not the correct explanation of A
 (c) A is the correct but R is not correct
 (d) A is not correct but R is correct.

13. Match List-I with List-II **(2021)**

List-I		List-II	
A.	Metamerism	(i)	Coelenterata
B.	Canal system	(ii)	Ctenophora
C.	Comb plates	(iii)	Annelida
D.	Cnidoblasts	(iv)	Porifera

Choose the correct answer from the options given below

- (a) A-(iii) B-(iv) C-(i) D-(ii)
 (b) A-(iii) B-(iv) C-(ii) D-(i)
 (c) A-(iv) B-(i) C-(ii) D-(iii)
 (d) A-(iv) B-(iii) C-(i) D-(ii)

14. Which one of the following organisms bears hollow and pneumatic long bones? **(2021)**

- (a) Hemidactylus
 (b) Macropus
 (c) Ornithorhynchus
 (d) Neophron

15. Match the following **(2021)**

List-I		List-II	
A.	Physalia	(i)	Pearl oyster
B.	Limulus	(ii)	Portuguese Man of War
C.	Ancylostoma	(iii)	Living fossil
D.	Pinctada	(iv)	Hookworm

- (a) A-(iv) B-(i) C-(iii) D-(ii)
 (b) A-(ii) B-(iii) C-(iv) D-(i)
 (c) A-(i) B-(iv) C-(iii) D-(ii)
 (d) A-(ii) B-(iii) C-(i) D-(iv)

16. Read the following statements (2021)

- A. Metagenesis is observed in helminths
- B. Echinoderms are triploblastic and coelomate animals
- C. Round worms have organ-system level of Body organisation
- D. Comb plates present in ctenophores help in digestion
- E. Water vascular system is a characteristic of echinoderms

Choose the correct answer from the options given below

- (a) A, B and C are correct
- (b) A, D and E are correct
- (c) B, C and E are correct
- (d) C, D and E are correct

17. Which of the following statements are true for the phylum-Chordata? (2020)

- (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

18. Bilaterally symmetrical and acoelomate animals are exemplified by (2020)

- (a) Platyhelminthes
- (b) Aschelminthes
- (c) Annelida
- (d) Ctenophora

19. Match the following columns and select the correct option (2020)

Column I		Column II	
(1)	6 - 15 pairs of gill slits	(i)	Trygon
(2)	Heterocercal caudal fin	(ii)	Cyclostomes
(3)	Air bladder	(iii)	Chondrichthyes
(4)	Poison sting	(iv)	Osteichthyes

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

- (a) (iii) (iv) (i) (ii)
- (b) (iv) (ii) (iii) (i)
- (c) (i) (iv) (iii) (ii)
- (d) (ii) (iii) (iv) (i)

20. Match the following columns and select the correct option (2020)

Column I		Column II	
(1)	Gregarious, polyphagous pest	(i)	Asterias
(2)	Adult with radial symmetry and larva with bilateral symmetry	(ii)	Scorpion
(3)	Book lungs	(iii)	Ctenoplane
(4)	Bioluminescence	(iv)	Locusta

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- (a) (iv) (i) (ii) (iii)
- (b) (iii) (ii) (i) (iv)
- (c) (ii) (i) (iii) (iv)
- (d) (i) (iii) (ii) (iv)

21. Match the following columns and select the correct option

(2020 Covid Re-NEET)

Column I		Column II	
(1)	Aptenodytes	(i)	Flying fox
(2)	Pteropus	(ii)	Angel fish
(3)	Pterophyllum	(iii)	Lamprey
(4)	Petromyzon	(iv)	Penguin

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

- (a) (iii) (iv) (i) (ii)
- (b) (iv) (i) (ii) (iii)
- (c) (ii) (i) (iv) (iii)
- (d) (iii) (iv) (ii) (i)

22. Match the following group of organisms with their respective distinctive characteristics and select the correct option **(2020 Covid Re-NEET)**

Organisms		Characteristics	
(1)	Platyhelminthes	(i)	Cylindrical body with no segmentation
(2)	Echinoderms	(ii)	Warm blooded animals with direct development
(3)	Hemichordates	(iii)	Bilateral symmetry with incomplete digestive system
(4)	Aves	(iv)	Radial symmetry with indirect development

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

- (a) (ii) (iii) (iv) (i)
 (b) (iv) (i) (ii) (iii)
 (c) (i) (ii) (iii) (iv)
 (d) (iii) (iv) (i) (ii)
23. Which of the following option does correctly represent the characteristic features of phylum Annelida? **(2020 Covid Re-NEET)**
- (a) Triploblastic, segmented body and Bilaterally symmetrical
 (b) Triploblastic, flattened body and acoelomate condition
 (c) Diploblastic, mostly marine and radially symmetrical
 (d) Triploblastic, unsegmented body and bilaterally symmetrical
24. All vertebrates are chordates but all chordates are not vertebrates, why? **(2020 Covid Re-NEET)**
- (a) Ventral hollow nerve cord remains throughout life in some chordates
 (b) All chordates possess vertebral column

- (c) All chordates possess notochord throughout their life
 (d) Notochord is replaced by vertebral column in adult of some chordates

25. Match the following organisms with their respective characteristics **(2019)**

A.	Pila	(i)	Flame cells
B.	Bombyx	(ii)	Comb plates
C.	Pleurobrachia	(iii)	Radula
D.	Taenia	(iv)	Malpighian tubules

Select the correct option from the following

A B C D

- (a) (iii) (ii) (i) (iv)
 (b) (iii) (iv) (ii) (i)
 (c) (ii) (iv) (iii) (i)
 (d) (iii) (ii) (iv) (i)
26. Consider following features
- A. Organ system level of organisation
 B. Bilateral symmetry
 C. True coelomates with segmentation of body
- Select the correct option of animal groups which possess all the above characteristics **(2019)**
- (a) Annelida, Arthropoda and Chordata
 (b) Annelida, Arthropoda and Mollusca
 (c) Arthropoda, Mollusca and Chordata
 (d) Annelida, Mollusca and Chordata
27. Which of the following animal does not undergo metamorphosis? **(2018)**
- (a) Earthworm (b) Tunicate
 (c) Moth (d) Starfish
28. Which one of these animals is not a homeotherm? **(2018)**
- (a) Macropus (b) Chelone
 (c) Camelus (d) Psittacula
29. Identify the vertebrate group of animals characterised by crop and gizzard in its digestive system **(2018)**
- (a) Amphibia (b) Reptilia
 (c) Aves (d) Osteichthyes

- 30.** In case of poriferans, the spongocoel is lined with flagellated cells called **(2017)**
 (a) Ostia
 (b) Oscula
 (c) Choanocytes
 (d) Mesenchymal cells
- 31.** Which among these is the correct combination of aquatic mammals?
 (a) Seals, Dolphins, Sharks **(2017)**
 (b) Dolphins, Seals, Trygon
 (c) Whales, Dolphins, Seals
 (d) Trygon, Whales, Seals
- 32.** Which of the following represents order of Horse?
(2017)
 (a) Equidae (b) Perissodactyla
 (c) Caballus (d) Ferus
- 33.** An important characteristic that Hemichordates share with Chordates is
(2017)
 (a) Absence of notochord
 (b) Ventral tubular nerve cord
 (c) Pharynx with gill slits
 (d) Pharynx without gill slits
- 34.** Choose the false statement regarding Petromyzon **(2017)**
 (a) The circulatory system is closed
 (b) The body is devoid of scales
 (c) Mouth is circular and lacks jaws
 (d) It migrates to the ocean for spawning
- 35.** Which of the following symmetry is exhibited by echinoderm larvae? **(2017)**
 (a) Bilateral (b) Radial
 (c) Asymmetrical (d) Biradial
- 36.** Which of the following represents correct match of feature with the given set of animals? **(2017)**

Feature	Animals
(a) Metameric segmentation	- Earthworm, Leech, Liver fluke
(b) Respiratory system	- Cockroach, Tapeworm, Starfish
(c) Bilateral symmetry	- Hydra, Tapeworm, Sea urchin
(d) Jointed appendages	- Prawn, Centipede, Grasshopper

- 37.** Choose the correct statement **(2016 - II)**
 (a) All reptiles have a three-chambered heart
 (b) All pisces have gills covered by an operculum
 (c) All mammals are viviparous
 (d) All cyclostomes do not possess jaws and paired fins
- 38.** Which one of the following characteristic is not shared by birds and mammals? **(2016 - I)**
 (a) Ossified endoskeleton
 (b) Breathing using lungs
 (c) Viviparity
 (d) Warm blooded nature
- 39.** Which of the following characteristic features always holds true for the corresponding group of animals? **(2016 - I)**

(a)	Cartilaginous endoskeleton	-	Chondrichthyes
(b)	Viviparous	-	Mammalia
(c)	Possess a mouth with an upper and lower jaw	-	Chordata
(d)	3-chambered heart with one incompletely divided ventricle	-	Reptilia

- 40.** Which is the national aquatic animal of India? **(2016 - I)**
 (a) Gangetic shark
 (b) River dolphin
 (c) Blue whale
 (d) Sea-horse
- 41.** Which of the following feature is not present in the phylum-arthropoda? **(2016 - I)**
 (a) Chitinous exoskeleton
 (b) Metameric segmentation
 (c) Parapodia
 (d) Jointed appendages

42. Which of the following characteristics is mainly responsible for diversification of insects on land? **(2015)**

- (a) Exoskeleton
- (b) Eyes
- (c) Segmentation
- (d) Bilateral symmetry

43. Which of the following animal is not viviparous? **(2015)**

- (a) Platypus
- (b) Whale
- (c) Flying fox (bat)
- (d) Elephant

44. Which of the following represents the correct combination without any exception? **(2015)**

Characteristics		Class	
(a)	Sucking and circular mouth; jaws absent, integument without scales; paired appendages	1.	Cyclostomata
(b)	Body covered with feathers; skin moist and glandular; fore-limbs fore wings; lungs with air sacs	2.	Aves
(c)	Mammary glands; hair on body; pinnae; two pairs of limbs	3.	Mammalia
(d)	Mouth ventral; gills without operculum; skin with placoid	4.	Chondrichyes

	scales, persistent notochord		
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45. Which of the following endoparasites of humans does show viviparity? **(2015)**

- (a) *Trichinella spiralis*
- (b) *Ascaris lumbricoides*
- (c) *Ancylostoma duodenale*
- (d) *Enterobius vermicularis*

46. Body having mesh work of cell, internal cavities lined with food filtering flagellated cells and indirect development are the characteristics of phylum **(2015 Re)**

- (a) Porifera
- (b) Mollusca
- (c) Protozoa
- (d) Coelenterate

47. A jawless fish, which lays eggs in freshwater and whose ammocoetes larvae after metamorphosis return to the ocean is **(2015 Re)**

- (a) *Myxine*
- (b) *Neomyxine*
- (c) *Petromyzon*
- (d) *Eptatretus*

48. Metagenesis refers to **(2015 Re)**

- (a) Alternation of generation between asexual and sexual phases of organisms
- (b) Occurrence of a drastic change in form during post-embryonic development
- (c) Presence of a segmented body and parthenogenetic mode of reproduction
- (d) Presence of different morphic forms

49. Planaria possess high capacity of **(2014)**

- (a) Bioluminescence
- (b) Metamorphosis
- (c) Regeneration
- (d) Alternation of generation

50. Select the taxon mentioned that represents both marine and fresh water species **(2014)**

- (a) Cnidaria
- (b) Echinoderms
- (c) Ctenophora
- (d) Cephalochordata

- 51.** A marine cartilaginous fish that can produce electric current is **(2014)**
 (a) Scoliodon (b) Pristis
 (c) Torpedo (d) Trygon
- 52.** One of the representatives of phylum arthropoda is **(2013)**
 (a) Flying fish (b) Cuttlefish
 (c) Silverfish (d) Pufferfish
- 53.** Match the name of the animal (Column-I) with one characteristics (Column-II) and the phylum/class (column-III) to which it belongs **(2013)**

	Column I	Column II	Column III
(a)	Adamsia	Radially symmetrical	Porifera
(b)	Petromyzon	Ectoparasite	Cyclostomata
(c)	Ichthyophis	Terrestrial	Reptilia
(d)	Limulus	Body covered by chitinous exoskeleton	Pisces

- 54.** Which of the following are correctly matched with respect to their taxonomic classification? **(2013)**
 (a) Spiny anteater, Sea urchin, sea cucumber – Echinodermata
 (b) Flying fish, cuttlefish, silverfish – Pisces
 (c) Centipede, millipede, spider, scorpion – Insecta
 (d) House fly, butterfly, tsetsefly, silverfish – Insecta
- 55.** Which group of animals belongs to the same phylum? **(2013)**
 (a) Sponge, Sea anemone, Starfish
 (b) Malarial parasite, Amoeba, Mosquito
 (c) Earthworm, Pinworm, Tapeworm
 (d) Prawn, Scorpion, Locusta

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