

CLASS – XI TEST

Time :1.5 HRS

ANIMAL KINGDOM

M.M : 35

SECTION-A

Multiple Choice Questions

[1X 10=10]

- Water vascular system is the characteristic of which group among the following?
(a) Porifera (b) Ctenophora (c) Echinodermata (d) Chordata
- Segmentation in the body is first observed in which of the following ?
(a) Platyhelminthes (b) Annelida (c) Aschelminthes (d) Arthropoda
- Which level of organisation is found in Phylum Ctenophora?
(a) Cellular level (b) Tissue level (c) Organ system (d) None of these
- Identify the correct set of animals with four chambered heart.
(a) Amphibians, Reptiles, Birds (b) Crocodiles, Birds, Mammals
(c) Crocodiles, Lizards, Turtles (d) Lizards, Mammals, Birds
- Birds and mammals share one of the following characteristics as a common feature.
(a) Pigmented skin (b) Pneumatic bones (c) Viviparity (d) Warm blooded
- Which one of the following is oviparous?
(a) Platypus (b) Flying fox (Bat) (c) Elephant (d) Whale
- Canal system in sponges help in
(a) Food gathering (b) Respiration
(c) Removal of waste (d) All of the above
- The skeleton of corals is made up of
(a) Calcium silicate (b) Hydroxyapatite
(c) Calcium phosphate (d) Calcium carbonate

Assertion and Reason Questions

In the following questions, a statement of assertion is followed by a statement of reason.

Mark the correct choice as:

- (a) If both assertion and reason are true and reason is the correct explanation of assertion.
(b) If both assertion and reason are true but reason is not the correct explanation of assertion.
(c) If assertion is true but reason is false.
(d) If assertion is false but reason is true.
- Assertion :** Cnidarians are more advanced than sponges.
Reason : The body of cnidarians is divided both externally and internally into metameres.
- Assertion :** Bioluminescence is well marked in ctenophores.
Reason : Ctenophores may have tentacles.

SECTION -B

[2X3= 6]

- Differentiate between Closed circulatory system and Open circulatory system.

12. Write down the characteristic features of Chordata phylum?

13. Define coelom. In how many types organisms can be differentiated on basis of it.

SECTION-C

[3X 3= 9]

14. Mention the peculiar differences between Class Chondrichthyes and Osteichthyes.

15. All vertebrates are termed chordates, but all chordates are not vertebrates. Justify the statement.

16. Differentiate between Platyhelminthes and Aschelminthes.

SECTION-D

[1X5= 5]

17. (i) What are the reasons that you can think of for the arthropods to constitute the largest group of the animal kingdom? [2.5]

(ii) What are the modifications that are observed in aves that help them fly ? [2.5]

SECTION-E

Case Based Questions

[1X5= 5]

Read the following and answer questions from 18(i) to 18(v).

18.

Phylum	Salient feature	Distinctive feature	Example
P	Cellular level of organisation	Canal system	Q
Aschelminth	R	Worm shaped elongated	<i>Ascaris</i>
S	Coelomate	T	<i>Limulus</i>

(i) Identify the phylum P with correct set of examples Q.

- | P | Q |
|----------------|-------------------------------|
| (a) Ctenophora | - <i>Sycon, Euspongia</i> |
| (b) Porifera | - <i>Sycon, Physalia</i> |
| (c) Porifera | - <i>Spongilla, Euspongia</i> |
| (d) Cnidaria | - <i>Obelia, Euplectella</i> |

(ii) Considering R as type of body cavity, which could be true for aschelminthes?

- (a) Acoelomate (b) Schizocoelomate
(c) Eucoelomate (d) Pseudocoelomate

(iii) Identify the phylum 'S'.

- (a) Mollusca (b) Arthropoda (c) Platyhelminthes (d) Annelida

(iv) Which of the following cannot be "T"?

- (a) Chitinous cuticle (b) Jointed appendages (c) Mosaic vision (d) Spiny skin

(v) Why Arthropoda are named so ?

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