

Class: XI
Subject: Biology
Topic: Animal kingdom
No. of Questions: 20

- Q1. What is protandry ?
- Q2. What is the source of coelomic fluid?
- Q3. Fill in the blanks :
- (i) Variability of animal Has greatly helped in their classification.
 - (ii) Heterotrophic mode of nutrition is an important factor in causing great diversity in the.....of animal structure.
 - (iii) Fertilization results in the formation ofzygote.
 - (iv) The digestive cavity of hydra has only opening for both ingestion and egestion.
 - (v) Radial symmetry means that the body of the animal may be divided into.....equal halves.
- Q4. What is the importance of pneumatic bones and air sacs in Aves ?
- Q5. What is metagenesis ?Mention one example which exhibits this phenomenon.
- Q6. Give a one-word scientific term for the following :
- (a) Construction of an animal such as earthworm by repeated segments
 - (b) Blood-filled cavity in arthropods
 - (c) Excretory organs of an annelid
 - (d) Free-floating form of cnidarian
 - (e) Stinging cells of jellyfishes
 - (f) Individual animals bearing organs of both sexes
 - (g) A collection of nerve cell bodies
 - (h) Molluscs with two valved shells
- Q7. Give one example for each of the following :
- (a) A group of marine animals which release a colouring matter to escape predators.
 - (b) An animal which shoots out its tongue to capture insects
 - (c) An amphibian which carries its young on its back
 - (d) An animal which communicates by means of pheromones
 - (e) A mammal that lays eggs

- Q8. What is elephantiasis? How is it caused?
- Q9. Give classification of electric ray. What are its electric organs made of?
- Q10. How do frog and toad differ?
- Q11. Differentiate between :
(a) Open circulatory system and closed circulatory system
(b) Oviparous and viviparous characteristic.
(c) Direct development and indirect development.
- Q12. Write short notes on: cephalization, Metamerism, Appendages, Germ Layers, planes.
- Q13. Distinguish between the following : sagittal section and frontal section
- Q14. Discuss the variation in the animals regarding the excretory product?
- Q15. Name two economically important sponges, give their classification. Write a short note on any one of these.
- Q16. Describe any social insect. Refer it to its class and phylum.
- Q17. Write a note on a poisonous arthropod. Also give its classification.
- Q18. Give the scientific name and class of the following vertebrates – Lamprey, electric ray, African lungfish, toad, cobra, wall lizard, pigeon, rabbit, dolphin and spotted deer.
- Q19. Name the following vertebrates and refer them to their respective classes?
- Q20. Distinguish between : bony fishes and cartilaginous fishes