

CHAPTER-07

DIVERSITY IN LIVING ORGANISMS

WORKSHEET

VERY SHORT ANSWER TYPE- [1MARK]

1. What do you mean by diploblastic animals?
2. What is the skeleton of sponge made up of?
3. Mention any one character of porifera.
4. Name one free living platyhelminthes.
5. Name the organ of locomotion in mollusca.
6. How many chambers are present in the heart of fish?
7. Name the reptile in which heart is 4-chambered.
8. Name two classes having cold blooded animals.
9. Name a parasitic annelid.
10. What is haemocoel?

SHORT ANSWER TYPE- [2 MARKS]

1. List a few flight adaptations in birds.
2. Distinguish between-
 - a) amphibian and reptilia
 - b) annelid and arthropoda
 - c) aves and mammals
3. Mention 4 characters of pisces.
4. Write a short note on protochordates.
5. Mention 4 general characters of mollusca. Give two examples also.
6. Write a short note on echinoderms.
7. What do you mean by triploblastic organisms? Give two examples.
8. How do poriferans differ from coelenterate animals?
9. Which is the largest animal phylum? Mention its two characters.

10. Name the class of flying warm blooded animals in which teeth are absent, also mention their adaptations.
11. Name the characteristic features of sub-phylum chordate.
12. Identify the phylum:
a) pila b) scorpion c) earthworm d) planaria e) sea anemone
13. Explain the terms:
a) acoelomate b) radial symmetry c) pseudocoelomate
14. Explain the features of round worms.
15. Why is whale not classified as a fish?
16. What are prokaryotes? Give two points of difference between prokaryotes and eukaryotes.
17. What are hermaphrodites? Give two examples.
18. Give the characteristics of phylum arthropoda with 2 examples.
19. Define a taxon with an example.
20. Give general features of Mammalia.

SHORT ANSWER TYPE- [3 MARKS]

1. Write a comparative account on arthropoda and mollusca.
2. What are pisces? Classify them and mention important features also with an example of each.
3. Differentiate the nature of skin in five classes of chordates.
4. Explain the basis of grouping organisms into chordate and non-chordata.
5. How are the criteria for deciding divisions in plants different from the criteria for deciding subgroups amongst animals?
6. What are lichens? Give their symbiotic components. Mention one advantage of lichens.
7. What is Binomial Nomenclature. Name the biologist who proposed this system. Give the general guidelines/rules for binomial nomenclature by giving an example.
8. Differentiate between Monocots and Dicots.
9. Give general features of Fungi.
10. What are the general features of Phylum Chordata. Describe its classes.

EXTRA QUESTIONS:

1. What is saprophytic nutrition?
2. Name the plant amphibian.
3. What are cryptogamae?
4. Which divisions of plant kingdom are called cryptogams? Why are they called so?
5. What are angiosperms?
6. What is the meaning of triploblastic?
7. What is bilateral symmetry?
8. What do you mean by “cold-blooded animals”?
9. Name a fish with skeleton made up of cartilage.
10. What is taxonomy?
11. Name the 2 kingdoms of classification.
12. What are Eukaryotes? Give an example of Eukaryotes?
13. What are multicellular organisms? Give an example for multicellular organisms.
14. Who proposed Five kingdom Classification?
15. What are Monerans?
16. Name the kingdom which includes Bacteria.
17. Give one example of ciliated protozoans.
18. Which fungi act as a source of antibiotics?
19. Name the protozoan that causes Malaria.
20. Write any 5 importance of heterotrophic bacteria.

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