

## DIVERSITY IN LIVING ORGANISMS

### REVISION WORKSHEET

#### CLASS IX

#### SECTION A( 1 mark questions )

##### (A) Multiple Choice Questions

**Q1.** The feature that is not a characteristic of protochordata

- a. Presence of notochord
- b. bilateral symmetry and coelom
- c. jointed legs
- d. presence of the circulatory system

**Q2.** Find out the false statement

- a. Aves are warm blooded , egg laying and have a four chambered heart
- b. Aves have feather covered body forelimbs are modified as wing and breathe through the lungs
- c. Most mammals are viviparous
- d. Fishes , amphibians and reptiles are oviparous

**Q3.** Which of the following is not a criterion for classification of living organisms

- a. Body design of the organism
- b. Ability to produce one's own food
- c. Membrane bound nucleus and organelles
- d. Height of a plant

**Q4.** Well defined nucleus is absent in

- a. Blue green algae
- b. Diatoms
- c. Algae
- d. Yeast

##### (B) Assertion and Reasoning

**Direction :** in the following questions , a statement of assertion (A) is followed by a statement of reason (R) . Mark the correct choice as :

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

**Q5.** Assertion: Mostly mammals are viviparous .  
. Reason : all mammals hav milk producing glands .

**Q6.** Assertion: Protistans act as a link between Monera and Fungi .

Reason : protistans are primitive eukaryotes from which all other eukaryotes have evolved

**Q7.** Assertion: Molluscs have exoskeleton of calcareous shell

Reason : the body of Molluscs are unsegmented and coelomate

**(C)Answer very briefly**

**Q9.** \_\_\_\_\_ is a Phylum of spiny skinned animals

**Q10.** Name the phylum to which *Scion* and *Euplectella* belong

**Q11.** Name the reproductive organ of gymnosperms

### **SECTION B (3 mark questions )**

**Q12.** How is notochord different from the nerve chord

**Q13.** State the reasons for the following :

- a. Bryophytes are cryptogams
- b. Echinoderms are so called
- c. Birds have a streamlined body

**Q14.** Identify the division/phylum /class to which the organisms belong on the basis of the characters given below

- a. Also called amphibians of the plant kingdom , commonly differentiated to form stem and leaf like structures , no specialized tissue for conduction
- b. Body bilaterally symmetrical ,triploblastic , no true internal body cavity dorsoventrally flattened
- c. How are food and oxygen circulated in the bodies of organisms belonging to phylum porifera ?

**Q15.** Identify and name the following

- a. Organisms that use dead and decaying matter as food
- b. Cell walls of Fungi are made up of this type of sugar

- c. The kingdom to which *amoeba* belongs
- d. An example of a Moneran
- e. An animal with pseudocoelom
- f. A group which has open circulatory system

**Q16.** You are given a leech ,*nereis*, *scolopendra* , prawn , and scorpion ,all have segmented body organizations . will you classify them in one group ? if no, give the important characters based on which you will separate the organisms into different groups

### **SECTION C ( 5 marks )**

**Q17.** Cockroach ,spider and prawns are placed under phylum Arthropoda . State the reason for this . write the three distinct features of this phyla . give another example of an aquatic arthropod and terrestrial arthropod

**Q18.** How are phanerograms classified ?

**Q19.** What are vertebrates ? what are their main features ?