BRAIN INTERNATIONAL SCHOOL

BIOLOGY ASSIGNMENT

CLASS-IX   **July 21**

DIVERSITY IN LIVING ORGANISMS

1. **Give examples for the following**
   (a) Bilateral, dorsiventral symmetry is found in————.
   (b) Worms causing disease elephantiasis is————.
   (c) Open circulatory system is found in————where coelomic cavity is filled With blood.
   (d) ————are known to have pseudocoelom.

2. You are given leech, Nereis, Scolopendra, prawn and scorpion; and all Have segmented body organisation. Will you classify them in one group? If No, give the important characters based on which you will separate these Organisms into different groups.

3. Meena and Hari observed an animal in their garden. Hari called it an insect While Meena said it was an earthworm. Choose the character from the Following which confirms that it is an insect.

   (a) Bilateral symmetrical body
   (b) Body with jointed legs
   (c) Cylindrical body
   (d) Body with little segmentation

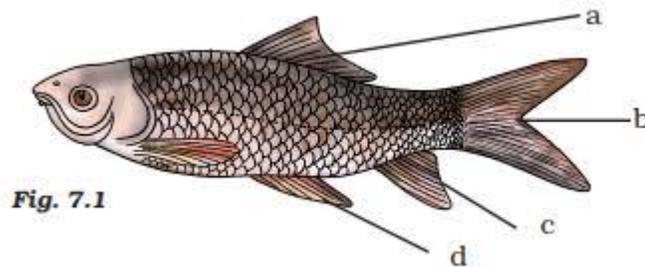4. Label a,b,c and d. Given in Fig. 7.1 Give the function of (b)

Fig. 7.1

5. Thallophyta, Bryophyta and, Pteridophyta are called 'Cryptogams'. Gymnosperms and Angiosperms are called 'Phanerogams'. Why?

ANIMAL TISSUES

1 Tissue whose cells are capable of dividing and re-dividing is called:

(a) Complex tissue   (b) Connective tissue   (c) Permanent tissue   (d) Meristematic tissue.

2 Connective tissue that connects muscle to bone is called:

(a) ligament   (b) tendon   (c) nervous tissue   (d) all of the above

3 In the blanks :

(a) Lining of blood vessels is made up of———.
(b) Lining of small intestine is made up of ———.
(c) Lining of kidney tubules is made up of———.
(d) Epithelial cells with cilia are found in———of our body.

4 The column (A) with the column (B):

(A)	(B)
(a) Fluid connective tissue	(i) Subcutaneous layer
(b) Filling of space inside the organs	(ii) Cartilage
(c) Adipose tissue	(iii) Areolar tissue
(d) Surface of joints	(iv) Blood

5. between voluntary and involuntary muscles. Give one example of each type.