



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET – 9

Class: IX

Sub: LIFE SCIENCE

Date: 17.04.2020

Topic: Classification of Chordates: Hemichordata, Urochordata, Cephalochordata and Vertebrata. Super class Agnatha and Gnathostomata. Class Chondrichthyes and Osteichthyes F.M. : 15

Choose the correct option:

(1x15=15)

- Which group is not a Protochordate:
a) vertebrata b) Hemichordata c) Urochordata d) Cephalochordata
- Modern biologists have placed under a separate Phylum instead of a sub phylum:
a) Urochordata b) Cephalochordata c) Hemichordata d) Vertebrata
- Filter feeders are the other name of:
a) Jawed fishes b) Urochordates c) Hemichordates d) Jawless fishes
- Body of a Urochordate is enclosed in a sac like structure called:
a) Saccus b) Tunic c) mantle d) shield
- The notochord is present in the tail region of larvae of:
a) *Balanoglossus* b) *Amphioxus* c) *Ascidia* d) *Saccoglossus*
- The name cephalochordate is given to this group because:
a) Presence of a head b) presence of myotomes on head c) presence and passing of notochord ahead of the head d) All of these
- < - shaped muscle segments *Amphioxus* are called:
a) Myacoma b) myeloma c) myotome d) myosome
- Lampreys belong to the group of:
a) Jaw less fishes b) jawed fishes c) filter feeders d) none of these
- The difference between Agnatha and Hemichordates w.r.t. the gill slits is:
a) No gill slits in hemichordates b) no gill slits in Agnatha c) 6-14 pairs of gill slits in Agnatha and around 200 in hemichordate d) 200 gill slits in agantha and 6-14 pairs in hemichordate
- There are groups of fishes mainly:
a) five b) three c) six d) two

11. Similarity between Chondrichthyes and Osteichthyes:
a) Breathing through gills b) Both have mouth with jaws c) Both have endoskeleton and exoskeleton d) All of these
12. Endoskeleton of Chondrichthyes is made up of:
a) Chitin b) Cartilage c) bone d) all of these
13. Which type of dermal scale is absent in bony fishes:
a) placoid b) cycloid c) ctenoid d) ganoid
14. Presence of heterocercal caudal fin and uncovered operculum is present in:
a) Osteichthyes b) Agnatha c) Chondrichthyes d) none of these
15. Characteristic of bony fishes:
a) Fins supported by spiny fin rays b) Bony endoskeleton c) mouth terminal d) All of these

Shaista Ahmed