



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET – 10 (solutions)

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)

1. Which group is not a Protochordate:

- a) vertebrata b) Hemichordata c) Urochordata d) Cephalochordata

Answer: Vertebrata (a)

2. Modern biologists have placed under a separate Phylum instead of a sub phylum:

- a) Urochordata b) Cephalochordata c) Hemichordata d) Vertebrata

Answer: Hemichordata (c)

3. Filter feeders are the other name of:

- a) Jawed fishes b) Urochordates c) Hemichordates d) Jawless fishes

Answer: Hemichordates (c)

4. Body of a Urochordate is enclosed in a sac like structure called:

- a) Saccus b) Tunic c) mantle d) shield

Answer: Tunic (b)

5. The notochord is present in the tail region of larvae of:

- a) *Balanoglossus* b) *Amphioxus* c) *Ascidia* d) *Saccoglossus*

Answer: Ascidia (c)

6. The name cephalochordate is given to this group because of:

- a) presence of a head b) presence of myotomes on head c) presence of notochord on the head d) All of these

Answer: Presence of notochord on the head (c)

7. < - shaped muscle segments *Amphioxus* are called:

- a) Myacoma b) myeloma c) myotome d) myosome

Answer: Myotomes (c)

8. Lampreys belong to the group of:

- a) Jaw less fishes b) jawed fishes c) filter feeders d) none of these

b) Answer: Jaw less fishes (a)

9. 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

Answer: 200 gill slits in Agnatha and 6-14 pairs in hemichordates (d)

10. There are groups of fishes mainly:
a) five b) three c) six d) two

Answer: two (d)

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

Answer: All of these (d)

12. Endoskeleton of Chondrichthyes is made up of:
a) Chitin b) Cartilage c) bone d) all of these

Answer: Cartilage (b)

13. Which type of dermal scale is absent in bony fishes:
a) placoid b) cycloid c) ctenoid d) ganoid

Answer: placoid scales (a)

14. Presence of heterocercal caudal fin and uncovered operculum is present in:
a) Osteichthyes b) Agnatha c) Chondrichthyes d) none of these

Answer: Chondrichthyes (c)

15. Characteristic of bony fishes:
a) Fins supported by spiny fin rays b) Bony endoskeleton c) mouth terminal d) All of these

Answer: All of these (d)

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