PERL EDUCATION

| Board – ICSE | Class – 9 Topic : Five Kingdom Classification | |
|--------------|---|--|
| 1. | Which of the following animals are invertebrates? | |
| | Housefly, silverfish, trout, jellyfish, whale, penguin, lizard, sponge | |
| 2. | Write at least three differences between vertebrates and invertebrates. | |
| 3. | Give the differences among classes of chordata in following terms: | |
| | (a) Heart chamber | |
| | (b) Mode of respiration | |
| | (c) Habitat | |
| 4. | Fill in the blanks: | |
| | (a) is an organism whose members can interbreed among themselves to | |
| | produce fertile offspring. | |
| | (b) Mosses and liverworts belong to sub division of plantae. | |
| | (c) have parallel venation. | |
| | (d) bears many pores on their body. | |
| | (e) Phylum involves segmented worms. | |
| | (f) is the largest phylum | |
| 5. | Answer the following questions: | |
| | (a) Body symmetry in Echinodermata | |
| | (b) Snail, oysters belong to which phylum. | |
| | (c) Type of body cavity in annelids_ | |
| | (d) Why Monerans are called prokaryotes. | |
| | (e) Scientist who gave five kingdom classification methods . | |
| 6. | Mark the sentence with true or false and rewrite the correct statement. | |
| 0. | (a) Tigon is a hybrid of tiger and giraffe | |
| | (b) Thallophyta body can be differentiated into root, stem and leaves. | |
| | (c) Corvus splendens is the binomial name of hill crow. | |
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| | | |
| | (d) Sponges have a skeleton of microscope spicules.(e) Nematodes have false coelom.(f) Clitellum is the reproductive structure of arthropods. | |

7. Match the following column A with column B

| Column A | Column B |
|---------------|---------------------------------|
| Moulting | Roundworm |
| Ascaris | Hard CaCO ₃ skeleton |
| Corals | Regrowing of exoskeletor |
| Cycas | Fungi |
| One cotyledon | Gymnosperm |
| Hyphae | Monocot |

- 8. Given statements are incorrect. Write the correct statements of them
 - (a) True coelom is present in Platyhelminthes
 - (b) Arthropods have muscular foot for locomotion
- 9. Give the economic importance of earthworms.
- 10. Answer the following question in one word:
 - a. Two chamber heart is found in which organism
 - b. Which organisms have leathery shells on their eggs.
 - c. The product of goat and sheep.
 - d. Name a fish whose skeleton is made up of cartilage.
- 11. Define the following terms:
 - a. Species
 - b. Prokaryotic Cell
 - c. Saprophytic Nutrition
 - d. Binomial Nomenclature
- 12. Write some important characteristics of Arthropoda and class Mammalia.
- 13. Give difference among Platyhelminthes, Nematoda and Annelida.
- 14. Name the phylum to which the following organism belongs.
 - a. Sea-urchin, brittle star
 - b. Hookworm and Ascaris
 - c. Jellyfish, corals and sea anemone
 - d. Crabs, centipedes and scorpions

- 15. Under the term which does not match with
 - a. Salamander: Slimy skin, hairs on body, 3-chamber heart
 - b. Starfish: Bilateral symmetry, Marine, unsegmented
 - c. Nereis: segmented body, pseudo coelom, nocturnal
 - d. Sponges: pores on body, tissue level organization, aquatic animals
- 16. Give differences between following:
 - a. Bryophyta and Pteridophyta
 - b. Gymnosperm and Angiosperm
 - c. Radial and Bilateral symmetry
 - d. Cold Blooded and warm blooded organism
 - e. Coelomates and Acoelomate