

**AFIT01 - TAXONOMY AND SYSTEMATICS OF CULTURABLE AQUATIC ORGANISMS**

**Section A**

**Answer any ten out of twelve (each carries a weightage of 1)**

**( Total Weightage 30)**

1. Write the scientific name of freshwater *mussel*.
2. Name a member of class Gastropoda.
3. Scientist who introduced Binomial system of Nomenclature.
4. Lowest taxon in the hierarchical system of classification.
5. Organs having structural similarity and having same type of origin.
6. Differentiate between Holotype and syntype.
7. What is typification?
8. Give the scientific name of tiger prawn, Spiny lobster and Mud crab.
9. Give the taxonomic classification of lobster, Spiny lobster.
10. Explain Whittaker's classification?
11. Scientific name of 'sea star ' and 'sea cucumber'
12. Differentiate between a Prokaryote and an Eukaryote?

**Section B**

**Answer any five out of eight(each carries a weightage of 2)**

13. Write few sentences about radula in molluscs.
14. Write a short note on Binomial Nomenclature.
15. What is International code of Zoological Nomenclature.
16. Homonym and Synonym.
17. Aristotle's lantern.
18. What is the importance of taxonomic characters.
19. Describe the external features of Sepia Pharonis?
20. Explain the taxonomic characters of Crustacean?

**Section C**

**Answer any two out of three(weightage 5)**

21. Briefly explain the methods for collection and preservation of zoological groups?
22. Major approaches to classification discussed by Nelson. (1994)
23. Explain the different zoological types & write their significance?