Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with A++ Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India
Continuous Internal Assessment – I August, 2025
I Semester

Class : I BSc **Time : 2 Hours**
Branch : Zoology **Max. Marks : 60**

23BZOC01 SYSTEMATICS AND DIVERSITY OF LIFE PROTISTS TO CHORDATES

Course Outcomes:

CO1. Develop understanding on the diversity of protists, non chordates and chordates.
CO 2. Understanding the concepts of how animals changed from a primitive cell to simple cells.
CO 3. Examine the diversity and evolutionary history of a taxon through the construction of a basic phylogenetic/ cladistics tree.
CO 4. Understand the role of morphological changes in bringing out the evolution over a long period of time.
CO 5. Acquire skill in identification of invertebrate and vertebrates in their habitats.

Part A **6 x 1 = 6**

Choose the Correct Answer

1	What is the basic unit of classification				CO1K5
	a. order	b. Phylum	c. genus	d. species	
2	Carolus Linnaeus system of nomenclature is				CO1K2
	a. natural	b. binomial	c. phylogenetic	d. artificial	
3	Radial symmertry is best seen in				CO2K5
	a. Mollusca	b. Sponge	c. Star fish	d. Fishes	
4	Coelom produced from mesoderm cells is called				CO3 K4
	a. Schizocoel	b. Enterorocoel	c. Pseudocoel	d. Gut	
5	Pseudocoelom develops from				CO3K1
	a. Hydrocoel	b. Blastocoel	c. Gut	d. mesoderm	
6	Skeleton of sponge is secreted by				CO3K2
	a. sclerocyte	b. chromocyte	c. myocyte	d. thesocyte	

Part B **3 x 6 = 18**

Answer ALL questions

Each answer should not exceed 400 words or two pages

7a	Give a brief account on Systematics	CO1K3
	(or)	
7b	Categorize utility of scientific names and Nomenclature	CO1 K3
8a	Illustrate the bilateral and radial symmetry	CO2K2
	(or)	
8b	Differentiate between diploblastic and triploblastic organization	CO2K1
9a	Comment on basic organization of roundworms	CO2K4
	(or)	
9b	Write a note on ancestors/ fossil arthropods	CO3K5

Part C **3 x 12 = 36**

Answer ALL questions

Each answer should not exceed 800 words or four pages

10a	Classify the animal kingdom with an example	CO1K1
	(or)	
10b	Eloborate the term Multicellularity	CO2K2
11a	Infer the structural diversity in sponges	CO2K5
	(or)	
11b	Confer the coral reef forming cnidarians	CO2K1
12a	Write an essay on basic organization and diversity in Arthropodes	CO3K5
	(or)	
12b	Basic organization of Echinodermata and their affinity to Chordates.	CO3K4