

# School of Biological and Life sciences

Department of Biological and Life Sciences

Mid Term Examination

Exam Date: 06 Oct 2023

Time : 90 Minutes

Marks : 50

## Sem V - C2UE502T - Diversity of Chordates and Comparative Anatomy

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

- 1) Elaborate major characteristics of Herdmania and also differentiate it with Balanoglossus. K2 (2)
- 2) Explain the theories of evolution of chordates. K1 (3)
- 3) Distinguish between Urochordates and Cephalochordates. K2 (4)
- 4) Construct a well labelled diagram of Digestive system in Herdmania. K2 (6)
- 5) Discuss the characters of Cephalochordates. Give examples. K3 (6)
- 6) Explain the counter current mechanism of respiration in fishes with the aid of diagram. K3 (9)
- 7) Explain the locomotion of Branchiostoma and the structures that aid in its movement. K4 (8)
- 8) Analyze the difference in respiratory mechanism by Gills and Lungs. K4 (12)

**OR**

What are the main characteristics of Amphibians? Make a flowchart of the classification of Amphibians along with examples. K4 (12)