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School of Biological and Life sciences

Bachelor of Science Honours in Zoology

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 50

Sem II - P1UE204B - Diversity of Chordates and Comparative AnatomyGeneral Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Describe the four key characteristics of chordates. K2 (2)
- 2) Define hibernation and aestivation with suitable example. K1 (3)
- 3) Differentiate between the three subphyla of Chordates. K2 (4)
- 4) Describe the external and internal anatomy of Balanoglossus with a suitable diagram. K2 (6)
- 5) "Hemichordates are non-chordates". Justify the statement. K3 (6)
- 6) Short note on: a) Affinities of Cephalochordata b) Comparison between Cephalochordates and Urochordates. K3 (9)
- 7) Analyze Balanoglossus classification, morphology, and reproduction, its relationship within Phylum Chordata, and distinctive features compared to other chordate classes. K4 (8)
- 8) Explain morphology and physiology in Balanoglossus. K4 (12)

OR

Discuss the general characteristics, classification, and detailed study of Herdmania, encompassing its habitat, morphology, anatomy and post-embryonic development. K4 (12)