

School of Biological and Life sciences**Bachelor of Science Honours in Zoology
Semester End Examination - Jun 2024****Duration : 180 Minutes
Max Marks : 100****Sem II - P1UE204B - Diversity of Chordates and Comparative Anatomy***General 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 habit and habitat of Balanoglossus. K1(2)
- 2) Differentiate between the heart structures of reptiles and birds using a diagram. K2(4)
- 3) Describe the external and internal anatomy of Herdmania, including its tunic and branchial sac. K2(6)
- 4) Describe the larval stage of Urochordates. K3(9)
- 5) Provide a brief overview of air sacs and their role in avian respiration. K3(9)
- 6) Discuss the overview of axial appendages. K5(10)
- 7) What are accessory respiratory organs in fishes, and how do they aid in respiration? K4(12)
- 8) Explain the physiological processes occurring in Herdmania and their significance. K5(15)
- 9) Compare the respiratory systems of different vertebrates, highlighting their unique adaptations and structures. K5(15)
- 10) Explain the origin of Chordates and discuss the evolutionary significance of their defining characteristics. K6(18)