

**C. ABDUL HAKEEM COLLEGE (AUTONOMOUS),
MELVISHARAM - 632 509.
SEMESTER EXAMINATIONS, NOVEMBER – 2018**

**M.Sc., ZOOLOGY SEMESTER I
P18MZL102 – LIFE AND DIVERSITY OF CHORDATES**

Time: Three Hours

Maximum: 75 Marks

SECTION - A (5 X 6 = 30 Marks)

Answer ALL Questions.

1. a) What are the requisites for Zoological nomenclature?
(Or)
b) What are the points to remember while constructing a branching key?
2. a) List out the peculiarities of Cyclostoma.
(Or)
b) Differentiate between the Placoderms and Ostracoderms.
3. a) Compare the jaw attachment styles in Chondrichthyan.
(Or)
b) How did Amphibians evolve?
4. a) Enumerate the salient features of Rhynchocephalia.
(Or)
b) What are the peculiarities observed in Protheria? Give examples.
5. a) Diagrammatically compare the evolution of the Vertebrate heart.
(Or)
b) Differentiate between the Integument system of Mammals and Birds.

**SECTION - B (3 X 15 = 45 Marks)
Answer ANY THREE Questions.**

6. Summarize the rules of ICZN to be remembered while naming an organism, with suitable examples.
7. Examine the evolutionary importance of Ostracoderms.
8. Write an essay on the importance of migration in fishes.
9. Explain Adaptive radiation in Mammals, with suitable examples.
10. Compare and contrast the structure of the brain among Vertebrates.
