

Mid-West University
Examinations Management Office

End Semester Examination 2081

Bachelor level/ B. Sc. /3rd Semester

Full Marks: 60

Time: 3 hours

Pass Marks: 30

Subject: Chordata (Poikilotherms) (ZOO433/333)

Candidates are required to give answer in their own words as far as practicable. The figures in the margin indicate full marks.

Group A

Answer the following questions in detail. (4x8 = 32)

1. Discuss the origin and ancestry of amphibians.
2. What is retrogressive metamorphosis? Explain it with reference to *Herdmania*.
3. Describe urinogenital system of *Calotes* with necessary diagrams.
4. What is respiration? Describe respiratory system of *Labeo* with diagrams.

OR

Describe different types of scales found in fishes. Enlist the functions of scales in fish.

Group B

Answer the following questions in brief. (7x3 = 21)

5. Classify phylum urochordates with distinguishing characters
6. Discuss the affinities of *Amphioxus*.
7. Classify amphibian up to living order with characters and examples.
8. How can you differentiate poisonous and non-poisonous snakes? Tabulate it.
9. Describe parental care in amphibian.
10. Draw a labelled diagram of alimentary canal of *Labeo*. (No description required)
11. Write short notes on exotic fishes of warm water.

OR

Discuss habit, habitat, distinguishing characters and economic importance of sphenodon.

Group C

Answer any seven questions in very short. (7x1=7)

12. Define poikilotherms.
13. Mention any two differences between petromyzontia and myxonoidea.
14. Write down the systemic position of *Calotes*
15. Define viviparity.
16. Name the stem amphibia.
17. Define cephalochordates.
18. Mention the function of swim bladder in fishes.
19. What is single circulation?
20. Mention the difference between heterocercal and homocercal caudal fin.

The End