

Mid-West University  
**Examinations Management Office**  
Surkhet, Nepal  
End Semester Examinations -2078

Bachelor level/ B.Sc /3<sup>rd</sup> Semester

Time: 3 hrs

**Subject : Chordata (Poikilotherms) (ZOO 333)**

Full Marks : 100

Pass Marks : 50

*Candidates are required to give their answers as far as practicable. The figures in the margin indicate full marks.*

**Group A**

**1 . Answer any ten questions in very short .**

**[10x1=10]**

- a. Mention the class of lung fish.
- b. Define diphyccercal fin.
- c. What first aid is given to the victim of snake bite.
- d. Name the larva of urochordata.
- e. Define ichthyosterigids.
- f. Why the term cyclostomata is given to petromyzon?
- g. Classify the sphenodon.
- h. Why sea squirt is also called Herdmania ?
- i. What is meant by Cephalochordata?
- j. Describe polyculture and mixed culture?
- k. Define filiform gills.
- l. What is the meaning of ureotelic.

**Group B**

**[8x5=40]**

**Answer any Eight questions in brief.**

2. Explain the economic importances of carp fishes.
3. Define retrogressive metamorphosis. Describe in short with reference to Herdmania.
4. Classify, the class Amphibia up to orders with examples.
5. Explain, the digestive system of Calotes with labelled diagram.
6. Differentiate poisonous and non poisonous snakes.
7. Enlist the ecological importances of hill stream fishes?
8. What are the differences between Petromyzon and Mixine.
9. Explain in short, the parental cares in amphibians.
10. Write the geographical distributions of Crocodile in Nepal.

**Group C**

**[5x10=50]**

**Answer any five questions in detail.**

11. What is branchial heart? Explain in short, single mode of circulation in *Labeo rohita* with figures.
12. Describe the affinities of Urochordata with other chordatas.
13. Explain the urinogenital system of *Calotes versicolor*.
14. Describe the biting apparatus and biting mechanism of poisonous snake.
15. Explain the origin and ancestry of Amphibia.
16. Describe the structure and function of scales and fins in fishes with necessary diagram.

**THE END**