

Mid-West University  
**Examinations Management Office**  
Semester End Examination 2080

Bachelor level/ B. Sc. /4<sup>th</sup> Semester  
Time: 3 hours  
Subject: Chordata (ZOO343/ZOO443)

Full Marks: 60  
Pass Marks: 30

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 questions in long (Any Four)

[4x8 = 32]

1. Explain the structure of heart of *Oryctolagus cuniculus*. Discuss how blood circulation takes place in mammals.
2. How respiration occurs in *Columba livia*? Explain it.
3. Describe geographical distribution, habit, habitat, distinguishing characters and economic importance of *Pantheria tigris*.
4. Describe geographical distribution, habit, habitat, distinguishing characters and economic importance of *Passer domesticus*.
5. Give the differences between Protheria and Metatheria and explain their affinities.

**Group B**

Answer the questions in short (Any Seven)

[7x3 = 21]

6. Write short notes on pheasants of Nepal.
7. Draw a well labeled diagram of the alimentary canal of Rabbit. (no description required)
8. "Birds are glorified reptiles", Justify.
9. Give the geographical distribution and economic importance of *Rhinoceros*.
10. Mammals are both useful and harmful. Elaborate this statement.
11. Give the external features of *Oryctolagus cuniculus*.
12. Mention anatomical structure of mammalian kidney.
13. Give the geographical distribution and economic importance of Himalayan Griffon Vulture.
14. Write short notes on —
  - i) Eutheria
  - ii) Barking Deer

**Group C**

15. Answer the questions in very short (Any Seven)

[7x1 = 7]

- a) What is marsupium?
- b) Define Coprophagy?
- c) Mention the primary function of gizzard in aves.
- d) What is the function of pneumatic bone?
- e) Give scientific name of two protected mammals of Nepal.
- f) Mention two characteristics of *Pavo*.
- g) Mention the function of Cowper's gland.
- h) Define migration in Aves.
- i) Mention the importance of order Proboscidea.

**The End**