

Mid-West University
Examinations Management Office
Surkhet, Nepal
Final Examinations -2079

Bachelor level/ B.Sc /4th Semester

Time: 3 hrs

Subject :Chordata(ZOO343)

Full Marks: 100

Pass Marks : 50

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

Group A

Answer the following questions in very short (ANY TEN)

[10×1=10]

- i. Name the cavity found in mid brain.
- ii. Define monocondylic skull?
- iii. Define archaeopteryx.
- iv. What is latitudinal migration?
- v. What are pneumatic bones?
- vi. Enlist any two protected birds of Nepal.
- vii. Enlist the dental formula of rabbit.
- viii. What is mitral valve?
- ix. What is the importance of gizzard in seed eating birds?
- x. Mention the function of hepatic portal vein.
- xi. What is the function of thyrotropin?
- xii. Mention the importance of order proboscidea.

Group B

Answer the following questions in brief. (ANY EIGHT)

[8×5=40]

- 2 "Birds are glorified reptiles". Explain it.
- 3 Draw a well labeled diagram of the alimentary canal of pigeon. (no description required)
- 4 Describe anatomical structure of mammalian kidney.
5. Respiratory system in Pigeon is ideally suited to the aerial mode of life. Discuss.
6. Give an account of female reproductive system of Rabbit.
7. Define osmoregulation. How does it occur in rabbit?
8. Write short notes on
 - i) Penguin
 - ii) Kangaroo
9. Write an essay on Pheasants of Nepal.
10. Give the geographical distribution and economic importance of Rhinoceros.

Group C

Attempt any five questions

[5×10=50]

11. Describe briefly, the flight muscles and flight mechanism in a bird.
12. Give an account of digestive system of *Columba livia*.
13. Give the differences between Protheria and Metatheria and explain their affinities.
14. Describe the economic importance of mammals.
15. Give the structure of heart of rabbit. Discuss how blood circulation takes place in mammals..
16. Describe the origin and evolution of birds

THE END