

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

Bachelor level/ B.Sc /6th Semester

Full Marks: 100

Time: 3 hrs

Pass Marks: 50

Subject : Comparative Anatomy and Physiology (ZOO 461)

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

Group A

1. Very short answer questions (any ten): [10x1=10]

- i. What are the types of salivary gland found in human body?
- ii. Define cosmoid scales.
- iii. Write any two differences between cortical and juxtamedullary nephrons.
- iv. What is diastolic blood pressure and mention its normal average value?
- v. What do you mean by vasoconstriction?
- vi. What is role of Dopamine in human body?
- vii. What do you mean by myelencephalon?
- viii. Define ECG.
- ix. Describe internal respiration?
- x. Define GFR.
- xi. What is role of HCl in body?
- xii. Define Bohr's effect.

Group B

Short answer questions (any eight):

[8x5=40]

2. Compare heart of fishes and reptiles.
3. Explain mechanism of osmoregulation in fresh water fishes.
4. Describe composition and function of lymph.
5. Write a short note on renal failure.
6. Explain synaptic transmission of nerve impulse.
7. Explain mechanism of transport of CO₂ in body.
8. Write a short note on composition, function and regulation of bile.
9. How urine formation in body is regulated?
10. Explain heart stroke and its preventive measures.
11. Describe origin and conduction of heart beat.

Group C

Long answer questions (any five):

[5x10=50]

12. Explain cause, symptoms and prevention of Parkinson's disease.
13. Describe histological structure of mammalian skin.
14. Give an account of avian brain.
15. Discuss structure of nephron.
16. What is dialysis? Explain its types and importance.
17. How nerve impulse is conducted? Describe mechanism.

THE END