



B.Sc. VI Semester Degree Examination, May - 2018

ZOOLOGY

Animal Behaviours, Evolution & Palaeontology

Paper : Z-6.2

(New)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- 1) Answer **all** questions.
- 2) Draw labelled diagrams wherever necessary.

Section - A

Answer any **five** of the following :

(5×2=10)

1. What is synchronization?
2. Define over production and Inter specific struggle.
3. What is Aggressive mimicry?
4. What is homology? Give example.
5. What is imprinting? Give an example.
6. What do you mean by gene frequency and gene flow?

Section - B

A. Answer any **Four** of the following :

(4×5=20)

7. Describe pavlov experiment with example.
8. Write a short note on catadromous migration with examples.
9. Briefly explain the social organisation in Termites.
10. Write a short notes on causes and Advantages of migration in Birds.
11. Describe the Nesting behaviour pattern in Birds.
12. Briefly explain the courtship behaviour in Frog and scorpion.

[P.T.O]



B. Answer any **Four** of the following :

(4×5=20)

13. What is fossil? Briefly explain the types of fossils.
14. Explain briefly about the principles of Darwinism.
15. Write a note on sympatric speciation.
16. Explain the evolution of man with reference to Neanderthal and Cro-Magnan man.
17. Briefly explain Round and waggle dance in Honey bees for communication.
18. Write a note on motivation.

Section - C

A. Answer any **Two** of the following :

(2×10=20)

19. Substantiate the principles of courtship behaviour with examples.
20. Write a detail account of insight learning with example.
21. Describe the different kinds of parental care in Amphibians with examples.

B. Answer any **one** of the following :

(1×10=10)

22. Explain in detail about the Neo - Darwinism.
23. Describe stanley miller's experiment with a neat labelled diagram.

