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First Year B.Sc
ZOO12102: Animal Behaviour
(Semester II)

Program: BScGen03
Program Specific: Zoology
Course Type: Mandatory Major
Paper: II

Credits: 2
Time: 2 Hours
Max. Marks: 30
SET: A

Instructions to the candidate:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labeled diagram wherever necessary.

SECTION: A

Q1) Answer the following

[5 X 1 = 5]

1. Define animal behaviour.
2. What is learning?
3. Explain Imprinting.
4. Define polyandry.
5. Explain the term circadian rhythms.

SECTION: B

Q2) Answer the following (Attempt any 5/7)

[5 X 2 = 10]

1. Describe the branches of Ethology.
2. Explain the concept of fixed action pattern.
3. Explain Thorndike's laws of learning.
4. Write a note on Communication in honey bees.
5. What are biological clocks? Explain with example.
6. Explain any two methods of locating individuals in wild.
7. Describe the relationship between SS, FAP, IRM and ASE.

SECTION: C

Q3) Answer the following/Write short notes on following (Attempt any 2/4)

[2 X 5 = 10]

1. Explain any two methods of studying behaviour in laboratory.
2. Explain hormones of adrenal gland and add a note on its function.
3. Describe Pavlov's classical conditioning learning with a suitable example.
4. Illustrate the concept of motivation with suitable examples.

SECTION: D

Q4) Answer the following (Attempt any 1/2)

[5 X 1 = 5]

1. What are hormones? Explain the role of hormones in maternal behaviour.
2. What is social organization? Describe social organization in lions.
