

PAPER CODE-----

M. Sc. Semester-I Examination, 20XX

ZOOLOGY

Paper No. - XXX

[Paper Name – Animal Behavior]

Maximum Marks: 80

Passing Marks: 29

Time: Three hours

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*Note: (1) Section -A is compulsory containing 10 objective type questions of 10 marks and 5 short answer type questions of 10 marks. (2) Section-B containing 8 descriptive type questions with 50% internal choice carrying 15marks for each*

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**Section - "A"**

**Q.1 Answer the following questions -- (1X10= 10) Marks**

- i. Who has given the definition of behavior as -“Behavior is the movements animals make”.
- ii. Who has discovered –“Conditional reflex”
- iii. Dancing performance by Honey bees is described by which ethologist?
- iv. Which part of hypothalamus is responsible for Reproductive behavior?
- v. Helping behavior existing between members of a social group is called ---?
- vi. The Lionesses, hunt in groups is which type of foraging?
- vii. Colonizing flight in huge number of termite is known as -----?
- viii. Courtship behavior is a form of -----?
- ix. Endogenous rhythm of 24 hours is called -----?
- x. Write the type of migration of Salmon fish.

**Q.2 Answer the following questions -- (2X5= 10) Marks**

- i. Briefly comment on Territoriality
- ii. What do mean by ‘Auditory communication’?
- iii. Point out the Special features of Primate Socialization.
- iv. What is the role of Stimulus-response in conditioning?
- v. Write in very brief about the ‘History of Ethology’.

**Section - "B"**

Attempt any four questions ---

4 x 15 = 60 Marks

- Q. 3. Give a detail account on Methods of studying behavior.
- Q. 4 Describe foraging behavior with giving various foraging models.
- Q. 5. Define communication and write the types of communication with special reference to Chemical & Audio communication.
- Q. 6. Explain neural control of behavior in mammals.
- Q.7. What is Social Organization? Describe Social Organization in insects with giving at least two examples.
- Q.8. Describe mating system and Courtship in animals.
- Q.9.What is biological rhythms? Explain Circadian and Circannual rhythms with giving suitable examples.
- Q.10. Write notes on the following –
  - (i) Conditioning
  - (ii) Associative learning

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