

Name/ Title of Paper: Animal Behavior

[Maximum Marks : 80
Minimum Marks : 29]

Time : Three Hours

नोट : दोनों खण्डों से निर्देशानुसार उत्तर दीजिए। प्रश्नों के अंक उनके दाहिनी ओर अंकित हैं।

Note : Answer from both the Sections as directed. The figures in the right-hand margin indicate marks.

Section-A

1- Answer each of the following question in one sentence only:

1X10

- (a) What is ethology?
- (b) What do you mean by fish schooling?
- (c) Define circadian rhythm.
- (d) Which hormone involved in emergency stress reaction?
- (e) Define reflex action.
- (f) Name the type of migration in fishes.
- (g) What is courtship?
- (h) Define altruism.
- (i) What is reasoning?
- (j) Define memory.

2- Answer the following questions.

2X5

- (a) What is biological rhythm?
- (b) Explain echolocation with suitable example.
- (c) What is Innate releasing mechanism (IRM)?
- (d) Define habitat imprinting with suitable example.
- (e) Explain in brief the navigation in birds.

Section-B

Answer all question:

15X4

Unit-I

3- Write an essay on history of ethnology and its significance.

Or

Write short notes on:

- i- Aggression
- ii- Territoriality

Unit-II

4- What is communication? Describe the visual behaviour in honey bee.

Or

Write an essay on hormonal control of behaviour.

Unit-III

5- Explain mating strategies in animal.

Or

Write short notes on:

- i- Flocking in birds
- ii- Kin Selection

Unit-IV

6- Write an essay on migration in birds.

Or

Write short notes on:

- i- Conditioning
- ii- Habituation