

**B.Sc. ZOOLOGY
FOURTH SEMESTER
ANIMAL BEHAVIOUR
BSZ-942 [IDMn]**

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

Time: 15 mins.

Marks: 10

(Objective)

Choose the correct answer from the following:

1 × 10 = 10

1. What triggers a fixed action pattern in animals?
 - a. A general increase in the animal's activity level
 - b. A specific external stimulus known as a sign stimulus or releaser
 - c. The animal's age and maturity
 - d. Random environmental changes
2. How do worker bees communicate the location of food sources to other members of the colony?
 - a. Through pheromones
 - b. By producing specific sounds
 - c. Through the waggle dance
 - d. By direct contact
3. Which of the following is an example of visual communication in animals?
 - a. Birdsong
 - b. Chemical signals
 - c. Courtship displays
 - d. Whale songs
4. What term describes aggression that is aimed at establishing or defending a specific area against intruders?
 - a. Dominance aggression
 - b. Predatory aggression
 - c. Redirected aggression
 - d. Territorial aggression
5. What role does a sign stimulus play in animal behavior?
 - a. It triggers an innate behavioral response
 - b. It teaches animals new skills through observation
 - c. It reinforces learned behaviors through rewards
 - d. It has no significant role in animal behavior
6. Why is habituation helpful to an animal?
 - a. Because it helps that animal filter out what is important and what is not important to react to, and that saves energy
 - b. Because it keeps the animal wary and able to react quickly to danger
 - c. Because it keep the animal's habitat protected
 - d. Because it helps the animal finds food more easily
7. Laura associates a particular smell with memories of the dinner served at her wedding. Laura's association is most likely due to:
 - a. Observational learning
 - b. Operant conditioning
 - c. Habituation
 - d. Classical conditioning

8. In Pavlov's classic study, prior to conditioning, the tone was considered a(n):
- a. Unconditioned stimulus
 - b. Conditioned stimulus
 - c. Neutral stimulus
 - d. Conditioned response
9. The field of study concerned with the ways in which nervous system activity manifests in behavior is called:
- a. Biological psychology
 - b. Behavioral neuroscience
 - c. Neuroanatomy
 - d. Neuropsychology
10. Which of the following best explains the relationship between hormones and our behavior?
- a. Hormones are not related to behavior but rather strictly to biological processes
 - b. Hormones control our behavior by influencing our body
 - c. Hormones influence different systems in our body that in turn influence our behavior
 - d. Hormones only control behavior related to cognition

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(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

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| 1. Write short notes: | 2.5+2.5=5 |
| a) Parental care | |
| b) Ethology Studies in Wild | |
| 2. Discuss the various communication patterns observed in the animal kingdom with examples. | 10 |
| 3. Describe the concept of Fixed Action Patterns (FAPs) in animal behavior, including their characteristics and significance. Provide examples of FAPs observed in different species. | 10 |
| 4. What is learning? What are the different aspects of learning? Describe the different types of learning. | 2+4+4=10 |
| 5. Write a note on the behaviour control by Hormones. | 10 |

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