**ST. JOSEPH’S UNIVERSITY, BENGALURU -27**

Registration Number:

Date& Session

**Open Elective - IV SEMESTER**

**SEMESTER EXAMINATION: APRIL 2024**

**(Examination conducted in May/June 2024)**

**ZOOE6 – ANIMAL BEHAVIOR**

**(For current batch students only)**

**Time: 2 Hours Max Marks: 60**

**This paper containsFOUR printed pages and FOUR parts**

**PART-A**

**Answer the following 20 x 1 = 20**

1. Innate behaviour does not involve learning. (True/False)
2. Phototaxis refers to response to a chemical substance. (True/False)
3. Migratory behaviour in birds is a random process and does not have a genetic basis. (True/False)
4. Parental care is of much importance in animals. It increases the chances of survival of young ones. (True/False)
5. Chest beating in gorilla is a visual communication. (True/False)
6. Honey bee is not a social Insect. (True/False)
7. Alarm calls by monkey is used by deer to evade predator. (True/False)
8. Insectivorous bats use vision to find its insect prey. (True/ False)
9. Habituation results in cessation of responses to a stimulus. (True/False)
10. The strongest stereotype of adolescence is the emergence of decision-making dilemmas. (True/False)

**Identify the behaviour exhibited by the animals given below (11 – 15)**

|  |  |
| --- | --- |
| Question No | Animal Behaviour |
| 11 |  |
| 12 | Preening Gland |
| 13 | Parental Care | SpringerLink |
| 14 | Phototaxis: Why Are Bugs Attracted To Light? » Science ABC |
| 15 | Why Do Dogs Scratch the Ground After They Pee? | Live Science |

**Name the taxanomic super class/class of the following animals (16 – 20)**

|  |  |
| --- | --- |
| 16 | Close up photo of orange and white gold fish, goldfish aquarium HD ... |
| 17 | Unique Characteristics of Reptiles Explained with Pictures |
| 18 |  |
| 19 | Mammals Wallpapers - Wallpaper Cave |
| 20 | Peacock killed after being hit by SUV in DLF Phase 5; police to take action  against driver - Hindustan Times |

**PART- B**

**Answer the following questions 5 x 2 =10**

21. Differentiate taxis and kinesis.

22. Give an example of parental care observed in fish.

23. What is mating plug?

24. what is brood parasitism? Give an example

25. Why do animals undergo hibernation? Give example

**PART- C**

**Answer any four of the following questions 4 x 5 = 20**

26. Describe the parental care exhibited by amphibians.

27. How do animals communicate? What are their types? Explain any two types with suitable examples.

28. what is insight learning explain with an example.

29. Describe the advantages of group foraging behaviour in fishes.

30. Define migration with an example? list the reason for an animal to migrate.

**PART- D**

**Answer any one of the following questions 1 x 10 = 10**

31. What is sexual dimorphism? Describe the sexual dimorphism observed in amphibians and birds?

32. What is biological clock? Do animals have a biological clock, give example?

Write a note on biorhythm and its types.