

B. Sc. DEGREE EXAMINATION APRIL 2019
BRANCH VI.A. ADVANCED ZOOLOGY & BIOTECHNOLOGY
SIXTH SEMESTER

COURSE : MAJOR CORE
PAPER : ANIMAL BEHAVIOUR
TIME : 3 HOURS **MAX. MARKS: 100**

SECTION – A

ANSWER ALL QUESTIONS

(10 X 3 = 30)

1. Define the following:
a) Hibernation b) Alloparent c) Event
2. State the differences between Broca's area and Wernicke's area.
3. Give any three conditions for successful mating.
4. What are the following?
a) Xenophobia b) Home Range c) Polyandry.
5. Explain the following:
a) Memory b) Law of Equipotentiality c) Eusociality
6. State any three theories of play behaviour.
7. Name three prominent ethologists and their contributions to behavioural studies.
8. Differentiate between Circannual clocks, Circalunar clocks and Circadian clocks.
9. Explain the following artificial marking techniques:
a) Darting b) Ear tags c) Tattoos.
10. Distinguish between Psychoactive and Psycho-mimetic drugs with suitable examples.

SECTION – B

ANSWER ANY FIVE QUESTIONS

(5 X 6 = 30)

11. Explain the concept of FAP and ASE with a suitable example.
12. Comment on commensalism and parasitism with suitable examples.
13. Define sleep cycle and explain the stages of sleep.
14. Describe the courtship behaviour exhibited by three-spined stickleback fishes and sand grouse.
15. Discuss homing behaviour in animals.
16. Comment on prey-predatory behaviour.
17. Discuss the concept of Imprinting with suitable examples.

SECTION – C

ANSWER ANY TWO QUESTIONS

(2 X 20 = 40)

18. Enumerate on the methods employed to study the behaviour of animals in the laboratory.
19. Elaborate on shelter seeking and construction behaviour in animals.
20. Write an essay on abnormal human behaviour.
21. Describe the various forms of communication with suitable examples.
