

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086

(For candidates admitted during the academic year 2019 -2020)

SUBJECT CODE: 19ZL/MC/AB64

B. Sc. DEGREE EXAMINATION, APRIL 2022

BRANCH VIA -ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SIXTH SEMESTER

COURSE : MAJOR CORE

PAPER : ANIMAL BEHAVIOUR

MAX MARKS: 100

TIME : 3 HOURS

**SECTION A**

ANSWER ALL THE QUESTIONS

(10X3=30)

1. Define 'motivation'.
2. What do the following terms mean:
  - a. Circadian rhythm
  - b. Focal Animal Sampling
  - c. Homing
3. Mention one advantage for each of the following types of communication:
  - a. Visual
  - b. Chemical
  - c. Auditory
4. Comment on source and sink habitats.
5. Mention any three functions of courtship behaviour.
6. Give one example for each of the following terms:
  - a) Commensalism
  - b) Mutualism
  - c) Parasitism
7. Expand the following: a) SAD b) PTSD c) OCD
8. List the symptoms of Claustrophobia.
9. Distinguish between an animal rights activist and a conservationist.
10. What is behavioural enrichment? Give an example.

**SECTION B**

ANSWER ANY FIVE QUESTIONS

(5X6=30)

11. How can an ethogram be used to study animal behaviour?
12. Define FAP, SS, IRM and ASE and explain how they work together.
13. Describe any three types of nests/constructions built by animals.

14. Explain any three types of learning behaviour with appropriate examples.
15. Discuss peri-menopausal behaviour in humans.
16. List the five freedoms. How are they used in animal welfare assessment?
17. Compare and contrast: Schizophrenia and Bipolar Disorder.

### SECTION C

ANSWER ANY **TWO** QUESTIONS

(2X20=40)

18. Give an account of behavioural genetics and the evolution of behaviour with the help of suitable examples.
19. Elaborate on the role played by different psychoactive drugs on behaviour.
20. Describe the different types of play behaviour and add a note on the attributes and theories of play behaviour.
21. Discuss the various abnormal behaviours observed in pet, domestic and zoo animals.

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