

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086  
(For candidates admitted during the academic year 2015– 2016)

SUBJECT CODE: 15ZL/MC/AB64

**B. Sc. DEGREE EXAMINATION APRIL 2018**  
**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 a) Ethology b) Altruism c) Bout
2. State the differences between Broca's area and Wernicke's area.
3. Explain *Ad libitum* and All occurrence sampling method.
4. Give any three advantages of communication.
5. Define Play and name any three forms of play.
6. Name the different stages of sleep.
7. Name any three prominent Ethologists.
8. Expand the following: a) FAP b) IRM c) ASE
9. State any three functions of Territoriality.
10. Mention any three effects of psychoactive drugs.

**SECTION – B**

**ANSWER ANY FIVE QUESTIONS :** **(5 X 6 = 30)**

11. Explain social organization in primates.
12. Comment on any two inter-specific behaviour with suitable examples.
13. Explain the concept of behavioural genetics with a suitable example.
14. Define courtship and explain the same with any two examples.
15. Discuss Natal homing with suitable examples.
16. State how hormones play an active role in controlling behavior.
17. Discuss any two abnormal behavior exhibited by man.

**SECTION – C**

**ANSWER ANY TWO QUESTIONS :** **(2 X 20 = 40)**

18. Enumerate on the methods employed to study the behaviour of animals.
19. Discuss the different forms of learning behaviour with suitable examples.
20. Write an essay on the shelter seeking and construction by animals.
21. Define Communication and describe any two forms of communication.

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