

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2008 – 2009 & thereafter)

SUBJECT CODE: ZL/MC/AB64

B. Sc. DEGREE EXAMINATION APRIL 2012
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) ASE b) Motivation
2. Distinguish giving a suitable example a) Sign stimulus and FAP
3. Give an example for a) Brood parasitism b) Imprinting c) Urohydrolysis
4. Distinguish instinctive and learned behavior.
5. What are the following a) Altruism b) Radio telemetry c) ADH
6. What is Social organization? Enlist any two characteristics of social groups.
7. Match the following
 - a) Flexible learning (i) Imprinting
 - b) Restricted learning (ii) Exploratory learning
 - c) Latent learning (iii) Habituation
8. What is RAS? Highlight its significance.
9. a) Bats use _____ as a form of communication.
b) Chemical signals used predominantly in insects are the _____.
c) Displays are a type of _____ communication.
10. Enlist any three attributes of play behavior.

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

11. Define locomotion. Describe with suitable examples any five different types of basic locomotion.
12. Define Play. Highlight the different types of play behavior with appropriate examples.
13. Give a brief account of conditioned reflex.
14. Enumerate the causes and types of abnormal behavior in man.
15. Discuss any six hunting and capture methods in predation giving one suitable example for each.
16. What is migration? Explain with any one example each for migration in air and water.
17. Write a short note on Homing behavior.

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

18. "The four of the cerebral cortex have areas that specialize in certain functions" Justify.
19. Discuss 'sensory world's' in the context of vibrational, visual and electric senses.
20. Describe social organization in primates with appropriate examples.
21. Describe the different forms of shelters and constructions, drawing diagrams wherever necessary.
