

STELLA MARIS COLLEGE (AUTONOMOUS) - CHENNAI 600 086

(For candidates admitted from the academic year 2008 – 2009)

SUBJECT CODE: ZL/ME/AZ25

B. Sc. DEGREE EXAMINATION, APRIL 2009

**BRANCH VI.A. – ADVANCED ZOOLOGY AND BIOTECHNOLOGY
SECOND SEMESTER**

**COURSE : MAJOR –ELECTIVE
PAPER : APPLIED ZOOLOGY**

TIME : 3 HOURS

MAX. MARKS: 100

SECTION – A

ANSWER ALL QUESTIONS:

(10 X 3 = 30)

1. Bees are reared in an
 - a. Apiary
 - b. Aviary
 - c. Insectarium
2. Silkworms prefer
 - a. Curry leaves
 - b. Eucalyptus leaves
 - c. Mulberry leaves
3. A destructive pest of stored rice is
 - a. *Callosobruchus* sp.
 - b. *Sitophilus oryzae*
 - c. *Rhyzopertha dominica*
4. An important vector of leaf curl virus disease in cotton is
 - a. *Bemisia tabaci*
 - b. *Helicoverpa armigera*
 - c. *Earias vitella*
5. Distinguish between Vermicompost and Vermiwash.
6. Mention the castes in Termites.
7. Illustrate Berlese Funnel.
8. List any three major carps of India.
9. Define transgenesis.
10. Enlist different breeds of fowl.

SECTION – B

ANSWER ANY FIVE QUESTIONS:

(5 X 6 = 30)

11. Describe the structure and life history of lac insect.
12. Explain in brief the setting up of apiary and extraction of honey.
13. Highlight any three common pests of fruits and vegetables.

14. How are snails and slugs important in soil ecosystem?
15. Outline different kinds of aquaculture.
16. Give three examples of parasites and the diseases they cause in fish.
17. Enumerate the economic importance of scorpion and snake venom.

SECTION – C

ANSWER ANY TWO QUESTIONS:

(2 X 20 = 40)

18. Explain in detail the preservation and processing of fish and prawns.
19. Give an account of the indirect and direct value of mammals in the present world.
20. Elucidate information on the importance of IPM.
21. Are pesticides a boon or bane to mankind?
