

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2010– 2011)

SUBJECT CODE: ZL/ME/AZ24

B. Sc. DEGREE EXAMINATION, APRIL 2011
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. Mention one useful product that can be obtained from the following organism

a) *Apis indica* b) *Bombyx mori* c) *Kerria lacca*

2. Name the host plant of the following pest

a) *Chilo infuscatellus* b) *Tryporyza incertulas* c) *Earias vitella*

3. Give the application of the following

a) Honey Extractor b) Chandraki c) Hapas

4. State any three direct uses of Mammals.

5. Name any 3 common diseases of the silk moth.

6. Give any 3 economic importance of snake venom.

7. Explain any three methods of preservation of fish.

8. Explain the following

a) Antifeedant b) Culling c) Stiffling

9. State the effect of pesticide on soil and soil fauna.

10. Expand the following

a) DDT b) HCN c) BHC.

SECTION-B

ANSWER ANY FIVE QUESTIONS

(5 x 6 =30)

11. Classify insecticide based on their mode of entry and mode of action.
12. Describe the biology, nature of damage and control measure of any three pests of rice.
13. Discuss the methods of Induced Breeding by Hypophysation method.
14. State the economic importance of the Dairy and Leather industry.
15. How is Lac processed? Mention the uses of lac.
16. Briefly explain the various methods of housing of fowls.
17. What is Biological control? Explain with suitable examples. State its advantages and limitations.

SECTION C

ANSWER ANY TWO QUESTIONS

(2 x 20 =40)

18. Describe the concept of IPM with reference to any one crop.
19. Give an account of major carp culture. Briefly explain the recent trends in aquaculture.
20. “Vermicomposting is the technology for solid waste management”. Justify.
21. Discuss in detail the Sericulture Industry and add a note on its importance.
