

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2011– 2012 & thereafter)

SUBJECT CODE: 11ZL/ME/AZ23

B. Sc. DEGREE EXAMINATION, APRIL 2014
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. Name any three species of Silk Moths.
2. Enumerate any three uses of Lac.
3. What are the following
 - a. *Pieris brassica*
 - b. *Leucinodes orbinialis*
 - c. *Indiocercus atkinsoni*
4. Define the following
 - a. Jarring
 - b. Pruning
 - c. Mixed cropping
5. Give any one ecological role of
 - a. Millipede
 - b. Snails
 - c. Slug
6. What is
 - a. Salting
 - b. smoking
 - c. Canning
7. Name a Breed of poultry under the following
 - a. Desi breed
 - b. American breed
 - c. Mediterranean class
8. What are the following
 - a. Bristle
 - b. Ham
 - c. Lard
9. Explain the effects of persistent pesticides on Soil and its organisms.
10. Match the following
 - a. Fish Louse - *Penaeus monodon*
 - b. Pebrine - *Argulus*
 - c. MBV - *Nosema bombycis*

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

11. Name any three pests of Paddy and explain the damage caused, prevention and treatment procedures.
12. Give a brief account of processing of Milk.
13. Give an account of Integrated Fish Farming.
14. Explain the processing of skin for the Leather industry.
15. Write a note on snake venom and its significance in therapy.
16. Describe the Social organisation of Honey Bees.
17. Write a note on mound soils and add a note on the impact of termites on agriculture and buildings.

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

18. Detail the Life history of *Bombyx mori*. Explain the rearing of Silk worms for commercial purposes.
19. Integrated pest management is a very useful tool in the hands of protection technologist for management of pest populations. Discuss.
20. Define vermitechnology. Give a detailed stepwise procedure for setting up of a vermicomposting unit.
21. Give a detailed account of the recent trends in Aquaculture.
