

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 2012
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. Write about the castes of honey bees.
2. Give the common names of the following pest.
 - a) *Pyrilla perpusilla*
 - b) *Scirpophaga incertulas*
 - c) *Earias insulana*
3. Briefly describe the following
 - a) Eye stack ablation
 - b) Fumigants
 - c) Pheromones
4. Differentiate between the following fish culture techniques
 - a) Extensive Culture
 - b) Intensive Culture
 - c) Semi- Intensive Culture
- 5) Name any three diseases that affect the poultry industry.
- 6) Name the application of the following
 - a) Light trap
 - b) Isinglass
 - c) Royal Jelly
- 7) State any three effects of pesticides on soil.
- 8) Discuss the importance of snake venom.
- 9) Describe the various methods by which milk is pasteurized?
- 10) Give any three uses of Bee wax.

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

11. Enumerate on the life cycle, nature of damage and control measures of any two pests of paddy.
12. Define Biofertilizers and explain the same with suitable examples.
13. Briefly explain the various steps involved in the processing of lac and add a note on its applications.
14. Give a brief account of the various fish parasites.
15. State the economic importance of mammals.
16. Describe the diseases that affect the silk industry.
17. How is the wool processed?

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

18. Write an essay on Integrated Pest Management.
19. Describe induced breeding in fishes and discuss the hypophysation technique.
20. Give a detailed account on the various process involved in Vermitechnology. Add a note on its significance.
21. Write an essay on Poultry Farming.
