

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

SUBJECT CODE: ZL/ME/AZ24

B. Sc. DEGREE EXAMINATION, APRIL 2010
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. Explain the following in one or two sentences.
a) Galls b) Royal jelly c) Chandraki
2. Expand the following.
a) DDT b) HCN c) BHC
3. Comment on the economic importance of snake venom.
4. Why are carps ideal for fish culture? Justify your answers by giving any three reasons.
5. Define Pasteurisation and add a note on its types.
6. Briefly describe the following terms
a) Monoculture b) Polyculture c) Monosex Culture
7. State the importance of centipede and millipede in maintaining the soil ecosystem.
8. Comment on the physical properties of wool.
9. Mention the scientific names of any three important pests of vegetables.
10. Briefly describe the effect of pesticides on soil fauna.

SECTION-B

ANSWER ANY FIVE QUESTIONS

(5 x 6 =30)

11. Define Biological Control and add a note on its advantages and disadvantages.
12. Explain Induced Breeding by Hypophysation.
13. State the properties and uses of silk.
14. Give a brief account of any 3 methods adopted for the preservation of fishes and prawns.
15. Explain how the soil organisms are extracted.
16. Briefly comment on the properties of lac and write about the enemies of lac cultivation.
17. Explain the economic importance of mammals.

SECTION C

ANSWER ANY TWO QUESTIONS

(2 x 20 =40)

18. Write an essay on Vermicomposting and explain its economic importance.
19. Define IPM and briefly explain the life cycle, damage and control measures employed for any three pests of paddy and cotton.
20. Write an essay on Poultry Farming.
21. Give an account of Apiculture and add a note on the importance of honey.
