

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI - 600 086
(For candidates admitted from the academic year 2019 – 2020 & thereafter)

SUBJECT CODE: 19ZL/ME/AZ45
B. Sc. DEGREE EXAMINATION, APRIL 2023
BRANCH VI.A. – ADVANCED ZOOLOGY AND BIOTECHNOLOGY
FOURTH SEMESTER

COURSE : MAJOR – ELECTIVE
PAPER : APPLIED ZOOLOGY
TIME : 3 HOURS

MAX. MARKS: 100

SECTION A

ANSWER ALL THE QUESTIONS.

(10x3 =30)

1. What is meant by Sewage-fed fish culture?
2. Justify the popularity of “*Betta splendens* as an ornamental fish.
3. Name any three pests of fruits.
4. What is the nature of destruction caused by *Diatraea saccharalis*?
5. Highlight the role of millipedes in the soil ecosystem.
6. Name any three animals used as live feed in aquaculture.
7. Define antidote and comment on its significance.
8. Give the economic importance of Piggery.
9. Outline the role of MSSRF.
10. Enlist three major skills of an entrepreneur.

SECTION B

ANSWER ANY FIVE QUESTIONS

(5x6=30)

11. Tabulate extensive, semi-intensive, intensive and super-intensive Aquaculture.
12. List out the various by-products of the fishery industry.
13. Comment on Sericulture industry in India.
14. Highlight the characteristics of Mound soils.
15. Discuss the medical significance of Corals.
16. Critically examine the role of women in small scale industries.
17. “CMFRI – Research organization of marine fishes” – Justify.

SECTION C

ANSWER ANY TWO QUESTIONS

(2x20 =40)

18. Explain in detail about the preservation and processing of fish.
19. Write an essay on IPM.
20. Describe the various soil arthropods and their importance in the soil ecosystem. Write a note on extraction of soil microarthropods.
21. Discuss selective breeding, housing and rearing, diseases and economic importance of Quail farming.
