

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI - 600 086
(For candidates admitted from the academic year 2023 – 2024 & thereafter)

B. Sc. DEGREE EXAMINATION, APRIL 2026
BRANCH VI.A. – ADVANCED ZOOLOGY AND BIOTECHNOLOGY
FOURTH SEMESTER

COURSE : MAJOR ELECTIVE
PAPER : APPLIED ZOOLOGY
SUBJECT CODE : 23ZL/ME/AZ45
TIME : 3 HOURS **MAX. MARKS: 100**

Q. No.	SECTION A Answer all questions (10 x 2 = 20 marks)	CO	KL
1.	What is polyculture?	CO1	K1
2.	Recall the names of any two live feed organisms.	CO1	K1
3.	List any two methods of preserving fish.	CO1	K1
4.	Recall any three common insect pests of fruits and vegetables.	CO1	K1
5.	What are termitophiles?	CO1	K1
6.	Recall the names of two ornamental fish.	CO1	K1
7.	Name any two breeds of quail.	CO1	K1
8.	In dairy farming, what is meant by a dual purpose breed?	CO1	K1
9.	Expand CMFRI.	CO1	K1
10.	List any two silk research institutes in India.	CO1	K1
Q. No.	SECTION B Answer all questions (10 x 2 = 20 marks)	CO	KL
11.	Distinguish between extensive and intensive aquaculture.	CO2	K2
12.	What methods can be used to culture edible oysters?	CO2	K2
13.	Name two insect pests of cotton.	CO2	K2
14.	List any two control measures that can be used against termites.	CO2	K2
15.	List two devices used in an aquarium.	CO2	K2
16.	Highlight the economic importance of quails.	CO2	K2
17.	List any two advantages of rabbit farming.	CO2	K2
18.	Highlight the role of women in small scale industries.	CO2	K2
19.	Specify the role played by MSSRF in research.	CO2	K2
20.	How can entrepreneurial skills be developed in the area of applied zoology?	CO2	K2

Q. No.	SECTION C Answer any TWO questions. (2 x 10 = 20 marks)	CO	KL
21.	Explain integrated fish farming and its advantages.	CO3	K3
22.	Enumerate the salient features and nature of destruction of and control measures against any three pests of paddy.	CO3	K3
23.	Termites can be useful as well as harmful. Justify.	CO3	K3
Q. No.	SECTION D Answer any TWO questions. (2 x 15 = 30 marks)	CO	KL
24.	Give a detailed account of Integrated Pest Management.	CO4	K4
25.	Describe the various sampling methods used to extract soil fauna.	CO4	K4
26.	Discuss the economic importance of mammals with respect to direct and indirect value.	CO4	K4
Q. No.	SECTION E Answer any TWO questions. (2 x 5 = 10 marks)	CO	KL
27.	Highlight the use of any five byproducts of the fishing industry.	CO5	K5
28.	Summarise the precautions to be taken while setting up an aquarium.	CO5	K5
29.	Evaluate the significance of economically important soil animals.	CO5	K5
