

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600086
(For candidates admitted during the academic year 2023 - 2024)

B.Sc. DEGREE EXAMINATION-NOVEMBER 2023
BRANCH V. A. – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY
FIRST SEMESTER

COURSE : ALLIED CORE
PAPER : GENERAL ZOOLOGY - I
SUBJECT CODE : 23ZL/AC/GZ14
TIME : 3 HOURS

MAX.MARKS:100

SECTION A			
Answer all the questions			(10 x 2 =20)
Q. No.	Question	CO	KL
1.	What is the role of Contractile Vacuole in <i>Paramecium</i> ?	CO1	K1
2.	Write the key features of Aschelminthes (any 2).	CO1	K1
3.	Name two earthworm species used in Vermiculture.	CO1	K1
4.	Excretion of Arthropods happens through _____ and _____	CO1	K1
5.	List any two characteristic features of Cephalochordates.	CO1	K1
6.	Give any two examples for Agnatha.	CO1	K1
7.	_____ represent the locomotory structures in Class Pisces.	CO1	K1
8.	_____ are hard plates that form a distinctive feature of a reptile.	CO1	K1
9.	Name two egg-laying mammals.	CO1	K1
10.	Write the function of Vibrissae.	CO1	K1
SECTION B			
Answer all the questions			(10 x 2 = 20)
Q. No.	Question	CO	KL
11.	Draw the structure of Trichocyst and mention its function.	CO2	K2
12.	What is a Barrier coral reef? Give an example.	CO2	K2
13.	Name any two diseases transmitted through <i>Musca domestica</i> .	CO2	K2
14.	Define Vermitechnology.	CO2	K2
15.	What is Pediculosis?	CO2	K2

16.	Relate the structure of pedicellaria of <i>Asterias</i> with its function.	CO2	K2
17.	Distinguish between bilateral and radial symmetry giving examples.	CO2	K2
18.	Illustrate a down feather.	CO2	K2
19.	List two venomous snakes of South India.	CO2	K2
20.	Give the significance of double circulation in mammals.	CO2	K2

SECTION C (4 x 10 = 40)			
Answer four questions. (Two from each level - Internal Choice)			
Q. No.	Question	CO	KL
21.	Describe the Conjugation process in <i>Paramecium</i> .	CO3	K3
OR			
22.	Illustrate and briefly explain the life cycle of <i>Taenia solium</i> .	CO3	K3
23.	Describe the Water Vascular System in <i>Asterias</i> .	CO3	K3
OR			
24.	Enumerate the characteristic features of Amphibia.	CO3	K3
25.	Describe the flight adaptations in birds (any 5).	CO4	K4
OR			
26.	Elaborate on the affinities of Hemichordates.	CO4	K4
27.	Give an account on Parental Care in fishes	CO4	K4
OR			
28.	Write about aquatic mammals and their adaptations.	CO4	K4

SECTION D			
Answer any four questions (Internal Choice only)			
(4 x 5 = 20)			
Q. No.	Question	CO	KL
29.	Give an account on economic importance of coral reefs	CO5	K5
OR			
30.	Write short notes on the mode of infection and disease caused by <i>Aedes sp.</i>	CO5	K5
31.	Explain the mode of transmission, symptoms and prophylaxis of Ascariasis.	CO5	K5
OR			
32.	Comment on the economic importance of Molluscs.	CO5	K5
33.	Analyse division of labour in honey bees.	CO5	K5
OR			
34.	Summarise the types of fish migration.	CO5	K5
35.	Enumerate the strategies employed in Turtle Conservation.	CO5	K5
OR			
36.	Draw a neat labelled diagram of the digestive system of Rabbit.	CO5	K5
