STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600086
(For candidates admitted during the academic year 2019 - 2020 & thereafter)

SUBJECT CODE: 19ZL/AC/GZ14

B.Sc. DEGREE EXAMINATION-NOVEMBER 2022
BRANCH V (a) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY
FIRST SEMESTER

COURSE : ALLIED CORE
PAPER : GENERAL ZOOLOGY - I
TIME : 3 HOURS **MAX.MARKS:100**

SECTION-A

ANSWER ALL QUESTIONS **(10x3=30)**

1. Match the following:

Wuchereria bancrofti	Pin worm
Ascaris lumbricoides	Filarial worm
Enterobius vermicularis	Round worm

2. Name the photosynthetic algae which live in the tissues of reef-building corals. List two causes for coral bleaching
3. Name the vector for the following diseases
   (i) Malaria
   (ii) Typhoid
   (iii)Dengue
4. Define metamerism.
5. Write the zoological name for the following organisms.
   a. Head louse b. House fly c. Indian Cobra
6. Fill in the Blank
   a. Fishes that live in the freshwater and migrate to sea to spawn are called ----- fishes.
   b. An example of a Agnatha is _____
   c. The first larval form of *Asterias* sp. Is _____
7. Distinguish between neurotoxin and haemotoxin.
8. Give any three salient features of Class Amphibia.
9. List any three modifications of the endoskeleton that assist birds in flight
10. State the dental formula for *Oryctolagus cuniculus*. Add a note on its dentition.

SECTION-B

ANSWER ANY FIVE QUESTIONS **(5x6=30)**

11. Describe the morphology of *Paramecium*. Write a note on Autogamy
12. Elaborate on the Economic importance of Molluscs

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13. Discuss the social life in insects with an example
14. Enumerate the characteristic features of protochordates. Classify them with suitable examples.
15. Enlist and describe the various types of feathers in birds
16. Highlight the threats that turtles face and elaborate on the various steps taken to conserve them
17. Enlist ANY six adaptations in aquatic mammals that aid their survival in their habitat.

SECTION-C

ANSWER ANY TWO QUESTIONS **(2x20=40)**

18. Describe the life cycle, pathogenicity, and prophylaxis of *Taenia solium*
19. Elaborate on the setting up of a vermipit. Add a note on "vermiwash"
20. Discuss the parental care in fishes
21. Illustrate and describe the male and the female reproductive system of *Oryctolagus cuniculus*.

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