STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2015 – 2016 & thereafter)

SUBJECT CODE: 15ZL/AC/GZ14

B.Sc. DEGREE EXAMINATION NOVEMBER 2018
BRANCH V.A. PLANT BIOLOGY & 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. Fill in the blanks
   a.Sponges are included in the phylum_____.
   b. _____, a molluscan, make an excellent bait for marine fishes.
   c. Irregular pinkish gland located between the limbs of duodenum in rabbit is _____.

2. Mention the zoological name of the following:
   a. Lancelet b. Cobra c. Blue whale
3. Give the common name of the following:
   a. Lampito mauritii b. Penaeus indicus c. Oryctolagus cuniculus
4. Distinguish between:
   a. Solenocytes and melanocytes
   b. Median fins and lateral fins
   c. Larynx and Syrinx
5. Explain the terms
   a. Coprophagy b. Triploblastic c. Regeneration
6. Give one word that sums up the following:
   a. Migration from river to sea water
   b. Study of reptiles
   c. Changing the body temperature according to the environmental temperature
7. Define
   a. Retrogressive metamorphosis b. Paedogenesis c. Notochord
8. Give an example for:
   a. Anapsida b. Chondrichthyes c. Urochordata
9. Illustrate Ascaris male and female.
10. Relate structure and function:
    a. Penial setae b. Corallite c. Snake Fangs

SECTION – B

ANSWER ANY FIVE QUESTIONS **(5X6=30)**
(Draw diagrams wherever necessary)

11. Give a brief account on different kinds of coral reefs.
12. Describe briefly the water vascular system in Star fish.
13. What are the characteristic features of Hemichordates?
14. Give an account on Turtle walk.

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15. Describe the structure of Rabbit's heart.
16. Write an account of Vermicomposting.
17. Give an account of any two aquatic Mammals.

SECTION – C

ANSWER ANY TWO QUESTIONS
(Draw diagrams wherever necessary)

(2X20=40)

18. Write an essay on conjugation in Paramecium.
19. Give an account on appendages of Prawn.
20. Write an essay on parental care in fishes.
21. Explain the flight adaptations in Aves.

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