

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

SUBJECT CODE: 15ZL/AC/GZ14

B.Sc. DEGREE EXAMINATION NOVEMBER 2015
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. List any three important characteristics of Pisces.
2. What are the following?
a. Trichocyst b. Penial setae c. Nematocyst
3. Distinguish between Polyp and Medusa.
4. Describe the types of pedicellariae.
5. Draw and write a brief note on petasma.
6. Classify Chordata with examples.
7. Comment on the Jacobsons organ.
8. Write a note on turtle conservation.
9. Discuss the types of feathers in Birds.
10. Write about the ear ossicles in Mammals.

SECTION – B

ANSWER ANY FIVE QUESTIONS

(Draw diagrams wherever necessary)

(5X6=30)

11. Describe the mode of nutrition in *Paramecium*.
12. Explain the male and female reproductive system of *Ascaris*.
13. Draw and describe the brain of Rabbit.
14. Enumerate the characteristics features of Prochordates and classify giving examples.
15. Write an account on the poisonous snakes of South India.
16. Using suitable illustration discuss the water vascular system in *Asterias*.
17. Give an account on Migration in Fishes.

SECTION – C

ANSWER ANY TWO QUESTIONS
(Draw diagrams wherever necessary)

(2X20=40)

18. Elaborate the process of Vermiculture. Comment on the economic importance.
19. Write an essay on flight adaptation in Birds.
20. Using suitable illustrations discuss the types and theories on the formation of Coral reefs. Add a brief note on its significance.
21. Give a detailed account on Aquatic Mammals.
