

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 2016
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. What is sexual dimorphism?
2. Mention any three economic importance of Molluscs.
3. Comment on vermiwash?
4. Write notes on the types of Pedicellaria.
5. Write short notes on Notochord.
6. Differentiate between anadromous and catadromous migration.
7. Write short notes on urodela.
8. Give the function of the following: a) Statocyst b) Petasma c) Nephridium
9. Draw a neat labeled diagram of brain of Rabbit.
10. Write notes on pinna.

SECTION – B

ANSWER ANY FIVE QUESTIONS

(Draw diagrams wherever necessary)

(5X6=30)

11. Give an account of coral reefs.
12. What are social insects? Discuss the social organization of ants.
13. Describe the water vascular system of *Asterias* and add a note on its functions.
14. Enumerate the general characters of class Pisces.
15. With a neat labeled diagram, describe the structure of *Amphioxus*.
16. Write an account on non poisonous snakes of south India.
17. Enumerate the adaptations of aquatic mammals.

SECTION – C

ANSWER ANY TWO QUESTIONS

(Draw diagrams wherever necessary)

(2X20=40)

18. Describe conjugation in *Paramecium*. Add a note on its significance.
19. Write an account of the parental care in fishes.
20. Give an account of flight muscles and flight adaptations in birds.
21. Give an account of digestive system of rabbit.
