

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2011 – 12 & thereafter)

SUBJECT CODE: 11ZL/MC/IV14

B.Sc. DEGREE EXAMINATION NOVEMBER 2012
BRANCH VIA. ADVANCED ZOOLOGY AND BIOTECHNOLOGY
FIRST SEMESTER

COURSE : MAJOR CORE
PAPER : INVERTEBRATA
TIME : 3 HOURS

MAX. MARKS: 100

SECTION A

ANSWER ALL QUESTIONS:

(10 X 3 =30)

1. What is Symmetry? Explain its types.
2. Describe the causes of Gambia fever.
3. Describe Gastrovascular cavity.
4. What are the economic importance of sponges?
5. Write briefly on Elephantiasis.
6. Write a short note on nephridium.
7. Describe briefly any crustacean larval form.
8. What is Petasma?
9. Write a note on the structure and function of radula.
10. Give the zoological name of
 - a) Cockroach
 - b) Starfish
 - c) Leech

SECTION B

ANSWER ANY FIVE QUESTIONS:

(5 x 6 = 30)

11. Describe the ciliary mode of feeding in *Paramecium*
12. Write a note polymorphism observed in Coelenterates.
13. Give the salient features of Phylum Annelida. Classify Annelida upto classes giving examples.
14. Discuss the affinities of Peripatus with Annelida.
15. Give an account of Digestive system in of Pila.
16. Describe the different types of corals.
17. Describe the thoracic appendages of prawn.

SECTION C

ANSWER ANY TWO QUESTIONS:

(2 x 20 = 40)

18. Give an account on canal system in Sponges.
19. Write a detailed account on Torsion in Gastropoda.
20. Write an essay on mouth parts of insects.
21. Draw and describe the water vascular system of Sea star.
