

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

SUBJECT CODE: 11ZL/AC/GZ13

B.Sc. DEGREE EXAMINATION NOVEMBER 2014
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 Metazoa? Give an example.
2. Explain pseudocoelom.
3. Write the Zoological name of the following.
a) Prawn b) Roundworm c) Starfish
4. Associate the following animal with the respective phylum.
a) *Paramecium* b) *Lampito mauritii* c) *Penaeus indicus*
5. What is green gland?
6. Explain hepatic portal system in birds.
7. **FILL IN THE BLANKS**
 - a) _____ animal is called slipper animalcule.
 - b) In earthworm , the intestine is surrounded by some yellow cells called _____ .
 - c) In prawn, the larva hatched from the egg is _____ .
 - d) The first larva of starfish is _____.
 - e) In birds, the fused vertebrae is called _____.
 - f) The habit of eating its own faeces in Rabbit is called _____.
- 8 . Relate the following structure with the respective functions
a) Appendages b) Pedicellaria c) Down feathers
9. Write the dental formula of Rabbit.

10. MATCH THE FOLLOWING

- | | | |
|-----------------------|---|------------|
| a)Contractile vacuole | - | Roundworm |
| b)Metamerism | - | Starfish |
| c)Pseudocoelome | - | Pigeon |
| d)Tube feet | - | Earthworm |
| e)Polygamy | - | Paramecium |
| f)Pecten | - | Rabbit |

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

11. Explain conjugation in Paramecium.
12. Enumerate the general characteristic features of Aschelminthes.
13. Draw and describe Trochophore larva.
14. Write notes on locomotion in earthworm.
15. Explain water vascular system in starfish.
16. Write notes on “Flight muscles in pigeon.
17. Explain the structure of heart and its working in Rabbit.

SECTION – C**ANSWER ANY TWO QUESTIONS****(Draw diagrams wherever necessary)****(2X20=40)**

18. Write an essay on appendages in *Panaeus*.
19. Explain the life cycle of Starfish.
20. Describe the life cycle pathogenicity and prophylaxis of *Ascaris lumbricoides*.
21. Explain the structure of urinogenital organs in Rabbit.
