

**STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086**  
**(For Candidates admitted during the academic year 2008-09 & thereafter)**

**SUBJECT CODE: ZL/AC/GZ13**

**B.Sc. DEGREE EXAMINATION NOVEMBER 2008**  
**BRANCH V.A. PLANT BIOLOGY & PLANT BIOTECHNOLOGY**  
**FIRST SEMESTER**

**COURSE : ALLIED CORE**  
**PAPER : GENERAL ZOOLOGY-I**  
**TIME : 2 ½ HOURS**

**MAX. MARKS: 100**

**SECTION – A**

**ANSWER ALL QUESTIONS**

**(10 x 3 = 30)**

1. Associate the following with the respective animal  
a) Trichocyst                      b) Uropod                      c) Diastema
2. What is an Endoparasite? Give an example
3. Define Metamerism.
4. What is the function of  
a) Green Gland                      b) Syrinx                      c) Cilia
5. Draw a labeled diagram of Bipinnaria larva.
6. Mention the habitat of the following animals  
a) Frog                      b) Asterias                      c) *Lampito mauritii*
7. Name the branches of the Trigeminal nerve
8. What is the significance of Pigeon milk?
9. Associate the following larva with their adults  
a) Tadpole                      b) Nauplius                      c) Mysis
10. What is Viviparity?

**SECTION – B**

**ANSWER ANY FIVE QUESTIONS (ILLUSTRATE WHEREVER NECESSARY)**

**(5 x 6 = 30)**

11. Describe cyclosis.
12. Give an account on parasitic adaptations of *Ascaris*.
13. Give an account on the digestive system of earthworm.
14. Write an account on cephalic appendages of Prawn.
15. Describe the feeding mechanism of Star fish.
16. Describe the portal systems in Frog.
17. Give the general characters of Class Mammalia.

**SECTION – C**

**ANSWER ANY TWO QUESTIONS (ILLUSTRATE WHEREVER  
NECESSARY) (2 x 20 = 40)**

18. Give an account of conjugation in *Paramecium*. Add a note on its significance.
19. Describe the development and metamorphosis of Prawn.
20. Give an account on the structure and working of heart in Frog.
21. Describe the respiratory system of Pigeon.

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