

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**



**B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY**

**FIRST SEMESTER – NOVEMBER 2016**

**16UZO1MC01/AZ 1506/AZ 1500 – INVERTEBRATA**

Date: 05-11-2016

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

**SECTION- A**

**(10 × 2= 20)**

**Answer all questions:**

1. What are Metazoans?
2. Define Metamerism.
3. What is amoebiosis.
4. Comment on Water vascular system
5. Comment on medusa.
6. Define polymorphism
7. Write notes on *Penaeus indicus*.
8. List out any four general features of *Sepia*.
9. Define Coelom.
10. What is metamorphosis?

**SECTION- B**

**(4 × 10= 40)**

**Answer any Four of the following questions:**

11. What are the characteristic features of Euglena?
12. Explain the Lifecycle of Earthworm.
13. Give the structure of the body wall of sponge.
14. Explain the thoracic & abdominal appendages of prawn.
15. Describe the reproductive systems of Cockroach.
16. What are the two types of branches in *Obelia*?

**SECTION- C**

**(2 × 20= 40)**

**Answer any two of the following questions:**

17. Describe the reproduction in sponges.
18. Explain the social life of insects and elaborate the life of honey bee.
19. Explain the Lifecycle of *Sepia*.
20. Write an essay on coral reef.

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