

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIRST SEMESTER – APRIL 2019

16/17/18UZO1MC01/AZ 1506 – INVERTEBRATA

Date: 03-04-2019
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

SECTION – A

Answer ALL the questions

(10 x 2 = 20 Marks)

1. What is Synkaryon?
2. Define Metagenesis.
3. What is Hexacanth larva?
4. Comment on Coelom?
5. List out the classes of Mollusca.
6. What is Cytopyge?
7. List out the classes of Coelenterate.
8. Mention the classes of Platyhelminthes.
9. State the functions of Green glands.
10. Comment on Bipinnaria larva.

SECTION-B

(4×10=40 Marks)

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

11. Explain the Canal system in Sponges.
12. Write notes on General characters and Classification of phylum Ctenophora upto class with examples.
13. Explain the Reproductive system of Ascaris.
14. Give short notes on Social life in Insects.
15. Write short notes on Diagnostic characters and Classification of phylum Echinodermata upto class with examples.
16. Explain the life cycle of Entamoeba.

SECTION-C

(2 ×20=40 Marks)

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

17. Describe the details of the Conjugation in Paramecium.
18. Briefly explain the Life cycle of Ascaris.
19. Explain the developmental stages of Prawn with neat diagrams.
20. Write brief notes on Water vascular system in Echinodermata.
