



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ZOOLOGY

FIRST SEMESTER – NOVEMBER 2016

ZO 1500 - INVERTEBRATA

Date: 05-11-2016
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

SECTION- A

(20 Marks)

Answer ALL the questions in one or two sentences/ comment on

(10×2=20)

1. What is a Gemmule?
2. Define extra intestinal migration.
3. Distinguish Polyp and Medusa.
4. Sketch the ultra structure of cilium.
5. What is Hirudin? State its function.
6. What is Petasma? Mention its role.
7. What are Book lungs?
8. What is radula? Mention its function.
9. What is Ink sac? State its function.
10. What are Pedicellaria?

SECTION- B

Briefly answer any FOUR of the following in 500 words

(4×10 = 40)

11. Give an outline classification of animal kingdom.
12. Illustrate the water vascular system in Asterias.
13. Describe the reproductive system of prawn or scorpion.
14. Draw any two types of mouth parts of insect.
15. Highlight the life cycle of Plasmodium.
16. Explain any two theories on coral reef formation.

SECTION- C

Answer any TWO of the following in 1000 words

(2×20 = 40)

17. Give a table of nematode parasites (any five) in terms of site and mode of infection and pathogenicity. Draw the life cycle of *Ascaris lumbricoides* and mention their parasitic adaptations.
18. Illustrate any three types of canal systems in sponges/ porifera.
19. Describe conjugation in paramecium.
20. Write short notes on any two:
 - a) Affinities of *Peripatus*
 - b) Larval forms of echinoderms
 - c) Larval forms of prawn
