

**B. Sc. DEGREE END SEMESTER EXAMINATION MARCH / APRIL 2018****SEMESTER – 2: B. Sc. ZOOLOGY (CORE COURSE)****COURSE: 15U2CRZOO2 : ANIMAL DIVERSITY – NON CHORDATA - II***(Common for Regular 2017 / Supplementary - Improvement 2016 / 2015 Admission)*

Time : Three Hours

Max. Marks: 60

**PART A**

Answer all questions.

1. Metamerism
2. Parapodia
3. Primary Host.
4. Name two larval forms of Echinodermata.
5. *Limulus*
6. Ink sac
7. Tube feet
8. Comb Plate

(1 x 8 = 8 marks)

**PART B**Answer any **six** questions of the following.

9. What is the zoological importance of Archiannelida?
10. What is meant by parasitic castration?
11. Aristotle's lantern
12. Lateral Heart
13. Filariasis.
14. Compound eye
15. Describe typical appendage of *Panaeus*
16. What is a living fossil?

(2 x 6 = 12 marks)

**PART C**Answer any **four** questions of the following.

17. With the help of a diagram describe solenocytes.
18. Describe the locomotion in earth worm.
19. What is brachial formula? Write down the brachial formula of *Panaeus*.
20. Describe the parasitic adaptations of adaptations of Hirudinea.
21. Briefly describe the Life cycle of *Taenia solium*.
22. Explain the salient features of phylum hemichordata.

(4 x 4 = 16 marks)

**PART D**

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

23. Describe the water vascular system of Echinodermata.
24. Describe pearl culture and add note on different species of pearl oysters used for culture.
25. Enlist the general characters of Phylum Platyhelminthes and classify the phylum upto classes.
26. Write an essay on the larval stages of *Penaeus indicus*.

(12 x 2 = 24 marks)

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