

**B.Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER/NOVEMBER 2018****SEMESTER – ZOOLOGY (CORE COURSE)****COURSE – U3CRZOO3: ANIMAL DIVERSITY – NON CHORDATA***(For Supplementary - 2014 admission)*

Time: Three Hours

Max. Marks: 60

**PART A***Answer **all** Questions*

1. Ecological importance of *Trichonympha*
2. What are green glands?
3. What is hydrocoel?
4. What is measly pork?
5. What is ambulacral system?
6. Name two nematode parasites.
7. What is Aristotle's lantern?
8. Meaning of platyhelminthes

(1 x 8 = 8)

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

9. Write on different types of coelom.
10. Differentiate Protostomia from Deuterostomia?
11. Write on the evolutionary significance of Peripatus.
12. Comment on Five Kingdom Classification
13. What is metagenesis? Give one example.
14. Distinguish between pseudocoelomata and eucoelomata.
15. Evolutionary significance of *Neopilina*.
16. Write notes on Balanoglossus.

(2 x 6 = 12)

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

17. Write briefly on Pearl formation and Pearl culture.
18. Explain the life history of *Fasciola hepatica*.
19. Comment on the special features of *Physalia*.
20. Write on the rules of writing a scientific names. Give an account on binomial nomenclature.
21. Write an account on the larval forms of prawn.
22. Explain circulatory system in prawn with neat and labelled diagram.

(4 x 4 = 16)

**PART D***Answer **any two** of the following*

23. Classify phylum Mollusca up to classes, giving the salient features of each class?
24. Explain the life cycle of Plasmodium
25. Write an essay on coral reefs and the significance of its conservation.
26. Describe the general characters of Phylum Echinodermata. Classify up to classes giving examples for each.

(12 x 2 = 24)