

15U120

Name: .....  
Reg. No.....

**FIRST SEMESTER DEGREE EXTERNAL EXAMINATION DEC./JAN. 2015 -16**  
(2015 Admission)  
CC15UZO1B01- ANIMAL DIVERSITY-NONCHORDATA – I (core)

Time : 3 Hrs

Max.Marks: 80

Give illustrations wherever necessary

**A. Answer all questions. Name the following.**

1. The feeding and growing stage of *Plasmodium*
2. The larval form of *Leucosolenia*
3. The sponge in which Rhagon type canal system is seen.
4. The cells undergoing clonal reproduction in *Dicyema*
5. Name a plant like protist.
6. Scientific name of hook worm.
7. Name the organism belonging to Phylum Gastrotricha.
8. Name the larval form of Ctenophora.
9. Name the organism causing Ascariasis.
10. What is meant by ICZN

(10x1=10)

**B. Answer any 10 questions.**

11. What is schizocoel? Mention two animal groups where it is present.
12. Give the scientific names of the following: a) bell animalcule b) Venus flower basket c) malaria parasite d) a symbiotic parabasalid protist.
13. Mention the zoological importance of *Noctiluca*.
14. Enlist the salient features of Phylum Dinoflagellata.
15. Differentiate between Orthonectida and Rhombozoa.
16. Morphological peculiarities of *Euplectella*.

17. What is meant by Cladistics?
18. What are the disciplines of classification?
19. What is meant by binomial nomenclature?
20. Write notes on *Adamsia*.
21. What are interstitial cells?
22. What is mastax? Explain.

(10x2=20)

**C. Answer any five questions. Paragraph question.**

23. Explain the intra-corporeal phase in the life cycle of *Plasmodium*.
24. Write an account on the nutrition in *Paramecium*.
25. Explain the system of classification of Kingdom Animalia based on various criteria.
26. Explain the structure and functions of nuclear apparatus and contractile vacuoles in *Paramecium*.
27. Explain the structure and functions of Cnidoblast with a diagram.
28. Explain the salient features of phylum Rotifera.
29. Explain the structure and symmetry of medusa with labeled diagrams.
30. Write notes on the polymorphism of *Physalia*.

(5x6=30)

**D. Answer any two. Essay question.**

31. Explain the structure of *Paramecium* as illustrated by a compound microscope.
32. Write an essay on canal system in sponges.
33. Explain the salient features of Phylum Coelenterata. Write features of each class with examples.
34. Explain the lifecycle and pathogenicity of *Wuchereria bancrofti*.

(2x10=20)

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