

17U130

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Name:

Reg. No.....

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2017

(Regular/Supplementary/Improvement)

(CUCBCSS-UG)

CC15UZO1B01- ANIMAL DIVERSITY-NONCHORDATA – I

(Zoology - Core Course)

(2015 Admission Onwards)

Time: Three Hours

Maximum: 80 Marks

A. Answer **all** questions. Each question carries 1 mark.

1. The class in which calcareous sponges are included.
2. Binomials with identical genus name and specific epithet are called.
3. Function of corona in rotifera
4. Fate of blastopore in deuterostomes
5. The protist inhabiting the intestine of termite.
6. Class to which free living platyhelminthes belongs
7. Definitive host of *Schistosoma*.
8. Generic name of 'Venus Flower Basket'
9. A mesozoanendoparasite in the excretory organ of octopus
10. Father of taxonomy.

(10 x 1 = 10Marks)

B. Answer **any ten** questions. Each question carries 2 marks.

11. What are choanocytes?
12. Give the salient features of phylum ciliophora.
13. What is metagenesis? Explain with example.
14. What is ICZN? Explain.
15. Write down the salient features of class calcispongiae.
16. Comment on the syconoid type of canal system.
17. Write notes on sponge gemmule.
18. What are rhabdites? What is its function?
19. Describe the conjugation in *Paramecium*
20. What is meant by gonochorism? Explain with example.
21. Comment on the pathogenicity of *Wuchereria*
22. Write on the polymorphism in *Halitemma*.

(10 x 2 = 20Marks)

C. Answer **any five** questions. Each question carries 6 marks.

23. Enlist the salient features of sub kingdom mesozoa.
24. Explain the classification of organisms based on number of cells and tissue or organ system level of organization?
25. Give an account on a) *Adamsia* b) *Physalia*
26. Differentiate between homologous and analogous organs. Comment on their origin.
27. Distinguish between polyp and medusa.
28. Write down the characteristic features of *Ascaris*
29. Compare and contrast the characters of phylum gastrotricha and rotifera
30. Give an account on five kingdom classification. Explain its merits and demerits.

(5 x 6 = 30Marks)

D. Answer **any two** questions. Each question carries 10 marks.

31. Classify phylum cnidaria upto class citing examples
32. Classify phylum Platyhelminthes down to class citing examples
33. Classify the organisms based on development of symmetry, germ layers and body cavity.
34. Describe the morphology and life cycle of *Obelia*

(2 x 10 = 20Marks)
