

16U120

(Pages:2)

Name:

Reg. No.....

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2016
(Regular/Supplementary/Improvement)
(CUCBCSS-UG)
CC15UZO1B01- ANIMAL DIVERSITY-NONCHORDATA – I
(Zoology - Core Course)
(2015 Admission Onwards)

Time: Three Hours

Maximum: 80 Marks

Give illustrations wherever necessary

A. Answer all questions. Name the following.

1. Phylum which included pseudopodia bearing amoeboid protists
2. Name the larva of *Dicyema*
3. The flagellated cells that creates water currents in spongocoel
4. Sexual zooids produced by *Obelia*
5. A trematode parasite which exhibits polyembryony
6. Excretory structures of flatworms.
7. Name a freshwater rotifer
8. Which is the protective covering secreted by coral polyps?
9. A system of classification of animals based only on phenotypic similarities
10. Type of coelom formed by a split in the mesoderm.

(10x1=10)

B. Answer any 10 questions.

11. What is pseudocoelom?
12. Structure and functions of Trichocyst.
13. Enlist the salient features of class Cestoda.
14. Explain the zoological importance of *Adamsia*.
15. Mention the significant features of Gastrotricha.
16. Explain the sexual dimorphism of *Ancylostoma*.
17. Explain the structure and significance of Amphiblastula larva.
18. What are the parasitic adaptations of *Ascaris*?

19. Classify Kingdom Animalia based on development of germ layers.
20. Write notes on *Enterobius*.
21. What is alternation of generation? Explain with an example.
22. What is polyembryony? Explain.

(10x2=20)

C. Answer any five questions. Paragraph question.

23. Explain the structure, functions and significance of sponge gemmule.
24. Explain the structural organization of *Paramecium*.
25. Classify Phylum Cnidaria and enlist the salient features and examples for each class.
26. Write an account on the digestive system and peculiarities of feeding in *Dugesia*.
27. Explain the life cycle of *Schistosoma*. Add a note on its adaptations for a parasitic life.
28. Write an account on new trends in systematics.
29. Write a comparative account on the mode of reproduction in sponges and cnidarians.
30. Explain the unique features of *Pleurobrachia*. Add a note on *Cidippid* larva.

(5x6=30)

D. Answer any two. Essay question. 10 marks each.

31. Explain the mechanism of reproduction in *Paramecium*.
32. Write an essay on the salient features of Kingdom Protista. Classify, write salient features and examples for each class.
33. Explain the structure of body wall of *Dugesia*. Add a note on its sense organs.
34. Compare the morphological peculiarities of sponges belonging to different classes. Write an account on its canal system.

(2x10=20)
