

Reg. No. : .....

Name : .....

**First Semester B.Sc. Degree Examination, November 2019**

**First Degree Programme Under CBCSS**

**Complementary Course for Botany, Home Science and Bio - chemistry**

**ZO 1131.1 : ANIMAL DIVERSITY I**

**(2015 Admission onwards)**

Time : 3 Hours

Max. Marks : 80

Draw diagrams wherever necessary.

I. Answer **all** questions in one or two sentences. (Each question carries **1** mark).

1. Heteronomous segmentation
2. Metachronal rhythm
3. Bilateral symmetry
4. Scientific name of Pork tapeworm
5. Ecdysis
6. Madreporite
7. Tube feet
8. Pedicellaria
9. Pentamerous radial symmetry
10. Respiratory tree

**(10 × 1 = 10 Marks)**

P.T.O.

II. Answer **any eight** of the following (Each question carries **2** marks) :

11. Explain three kingdom classification.
12. Write on nematocyst.
13. Comment on the larval forms of Aurelia.
14. Write on polyembryony.
15. What are the feeding adaptations of leech.
16. Comment on sexual dimorphism in Ascaris.
17. Write notes on Neomenia.
18. Petasma
19. Green glands
20. Evisceration
21. Water Vascular system
22. Aristotle's lantern

(8 × 2 = 16 Marks)

III. Answer **any six** of the following (Each question carries **4** marks) :

23. Give an account on polymorphism in Physalia.
24. Distinguish between schizocoelous and enterocoelous coelom.
25. Describe the ecological importance of Adamsia.
26. Write on the evolutionary significance of Peripatus.
27. Distinguish between Nereis and Heteronereis.

28. Enumerate the economic importance of molluscs.

29. Explain parasitic castration with an example.

30. Comment on pests of stored food grains.

31. Describe the structure of ommatidium.

(6 × 4 = 24 Marks)

IV. Answer **any two** of the following (Each question carries 15 marks) :

32. Write an essay on life history of *Entamoeba histolytica*.

33. Write on nematode parasites in humans.

34. Write an account on thoracic and abdominal appendages of prawn.

35. Write on the life history, damages and control measures of pests of paddy and coconut.

(2 × 15 = 30 Marks)