Reg. No. .....

Name : .....

(Pages : 3)

H – 2086

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

**First Degree Programme under CBCSS**

**Zoology**

**Core Course I**

**ZO 1141 – ANIMAL DIVERSITY – I**

**(2015 Admission – 2018 Admission)**

Time : 3 Hours

Max. Marks : 80

I. Answer all the questions (in **1** or **2** sentences). Each question carries **1** mark :

1. Tube Feet.

2. Invertebrate, that exhibits jet propulsion locomotion.

3. Mosquito vector that causes Malaria.

4. Holothuria.

5. An example for a Stored food grain pest.

6. Specialized Tissue, between body wall and alimentary canal in Leeches.

7. Molluscan, which has segmentation and is a living fossil.

8. Lepisma.

P.T.O.

9. Organism, which exhibit retrogressive metamorphosis.

10. Human pin worm.

**(10 × 1 = 10 Marks)**

II. Answer **any eight** questions (not to exceed **1** paragraph). Each question carries **2** mark :

11. Strobilization.

12. Radula.

13. Distinguish Byssus threads from captacula.

14. Pearl formation.

15. Autotomy with an example.

16. Moths from Butterflies.

17. Annelidans.

18. Shell structures of Chiton and Pila.

19. Diagnostic features of platyhelminthes.

20. Rhopalia in *Aurelia*.

21. Polymorphism with an example.

22. Water vascular system.

**(8 × 2 = 16 Marks)**

III. Answer **any six** questions (not to exceed **120** words). Each question carries **4** marks :

23. Salient features of phylum Mollusca.

24. Classification of Protista upto Phylum level.

25. Hermit Crabs.

26. Cycle of Ross and Cycle of Golgi in *Plasmodium*.

27. Types of Coral reefs.

28. Affinities of *Peripatus* with Annelida and Arthropoda.

29. Parasitic adaptations in Tape worm.

30. Conjugation in *Paramecium*.

31. Pests of paddy.

**(6 × 4 = 24 Marks)**

IV. Answer **any two** questions (as a short essay). Each question carries **15** marks :

32. Write an essay on the formation of pearls, its culture and management.

33. Describe polymorphism in coelenterates, with emphasis to *Obelia*.

34. With suitable diagrams, explain the life cycle of *Penaeus*.

35. Explain Taxonomic hierarchy, with suitable examples.

**(2 × 15 = 30 Marks**