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Name......................................

Reg. No· · · · · · · · · · · · · · ·

FIRST SEMESTER B.Sc. DEGREE EXAMINATION
NOVEMBER 2014

(CUCBCSS–UG)

Complementary Course – Zoology

ZO 1C 01 – ANIMAL DIVERSITY AND WILDLIFE

Time : Three Hours

Maximum : 64 Marks

I. Answer *all* questions :

A. Name the following :

1. Structural unit of compound eyes in Prawn.

2. The class to which *Hippocampus* belongs.

3. Rasping organ in Molluscs.

4. The scientist who proposed Five kingdom classification.

5. Scientific name of Liver Fluke.

B. Fill in the Blanks :

6. The number of neck vertebrae in Mammals is

7. Conservation of plants and animals outside their natural habitat is called —————

8. Last pair of pleopod in *Penaeus is* —————

9. Presence of Tube feet is a characteristic feature of the phylum

10. Zoological name of Hermit Crab is

(10 x 1 = 10 marks)

II. Answer any *seven* questions :

11. What are Statocysts?

12. Explain Matagenesis.

13. Write note on IUCN.

14. Write any *four* adaptations of *Hirudinaria* for this mode of life.

15. What is Living fossil? Give an example.

16. Write note on Perineal glands.

17. Explain the sexual dimorphism in *Ascaris.*

18. What is Parasitic castration?

Turn over

19. Explain Ambulacral system.

20. Mention the salient features of Amphioxus.

(7 x 2 =14 marks)

III. Answer any *four* questions

21. Explain the body structure of Vorticella.

22, What are the arboreal adaptations found in Chameleon?

23. Describe the structure of Pelvic girdle of Rabbit.

24. Classify phylum Platyhelminthes up to classes.

25. Describe Peripatus as a Connecting link.

26. Write the salient features of phylum Porifera.

(4 x 5 = 20 marks)

N. Answer any *two* questions

27. With neat labelled diagrams, describe the Cephalic and Thoracic appendages of Penaeus.

28. Explain various methods of Biodiversity conservation.

29. With a neat labelled diagram, describe the structure of brain of Rabbit.

30. Classify phylum Chordata up to classes giving examples.

I

(2 x 10 = 20 marks)