

62679

(Pages : 2)

Name.....53.....

Reg. No.....

**SECOND SEMESTER B.Sc. DEGREE EXAMINATION
MAY 2014**

(UG-CCSS)

Core Course – Zoology

ZO 2B 03 – ANIMAL DIVERSITY : NON-CHORDATA – Part II

(2013 Admissions)

Time : Three Hours

Maximum : 30 Weightage

I. Answer all *twelve* questions. Each question carries $\frac{1}{4}$ weightage :

A. Objective type questions :

1. The larval stage of Nereis is :

- (a) Trilobite larva. (b) Planula.
(c) Amphiblastula. (d) Trochophore.

2. Which one of the following is known as Tusk shell?

- (a) *Sepia*. (b) *Dentalium*.
(c) *Chiton*. (d) *Pinctada*.

3. Which one of the following is known as silver fish?

- (a) *Anabas*. (b) *Lepisma*.
(c) *Sepia*. (d) *Scoliodon*.

4. The main function of parapodia is :

- (a) Defence. (b) Feeding.
(c) Digestion. (d) Locomotion.

B. Name the following :

5. Name the genus of Apple snail.
6. Name a living fossil.
7. Name the animal commonly known as Sea lily.
8. Name the anticoagulant present in the saliva of leech.

C. Fill in the blanks :

9. Excretory organ of Pheretima is _____.
10. _____ is the genus of hermit crab.

Turn over

11. _____ known as brittle star.
12. _____ is the genus of pearl oyster.

(12 × ¼ = 3 wei

II. Answer all *nine* questions :

13. What are pedicellariae? Mention their function.
14. What is meant by evisceration? Write an example.
15. Write the morphological peculiarities of *Balanoglossus*.
16. What is a cuttle bone?
17. Write notes on parasitic castration.
18. Enlist the salient features of phylum *Annelida*.
19. Write notes on Compound eye.
20. What is petasma? Write it's function.
21. What are statocysts? Mention their function.

(9 × 1 = 9 wei

III. Answer any *five* questions :

22. Describe the digestive system of *Pila*.
23. Explain the water vascular system of Star fish.
24. Enlist the salient features of Phylum Echinodermata.
25. Describe the respiratory system of *Penaeus*.
26. With the help of a neat diagram, explain the structure of green glands. Men function.
27. Explain the zoological importance of *Peripatus*.
28. Describe the salient features of Hemichordata. Write an example.

(5 × 2 = 10 wei

IV. Answer any *two* of the following :

29. Classify Phylum Arthropoda down to classes with salient features and example
30. Compare the nervous system of *Pila* and *Penaeus*.
31. Describe the appendages of *Penaeus* with suitable sketch.

(2 × 4 = 8 wei