

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, MAY 2018

(CUCBCSS-UG)

Zoology

ZOL 2B 02 – ANIMAL DIVERSITY: NON-CHOR DATA – II

Time : Three Hours

Maximum : 80 Marks

Part A

I. Answer all questions in one or two sentences. Each question carries 1 mark :

1. What is meant by haemocoel?
2. What are nephridia?
3. What is meant by mosaic vision?
4. What are green glands?
5. What is cuttle bone?
6. What are eucoelomate animals? Give an example.
7. What is tubefest?
8. What is the economic importance of Perna?
9. Name the larval forms of : (a) Nereis ; (b) Astropecten.
10. Comment on Sacculina.

(10 × 1 = 10 marks)

Part B

II. Answer any ten of the following. Each question carries 2 marks :

11. What are the blood feeding adaptations of leech?
12. What are the peculiarities of Limulus?
13. Comment on the economic importance of Sepia.
14. Write a brief note on Bonellia.
15. Comment on silverfish.
16. What are the salient features of Class Crustacea?
17. Distinguish a sinistral shell from a dextral shell.
18. What is meant by biramous appendage?

Turn over

19. Mention the features of *Arenicola*.
20. What is ecdysis?
21. Explain the morphology of *Penaeus indicus*.
22. What is the function of spinnerets in spiders?

(10 × 2 = 20 marks)

Part C

III. Answer any *five* of the following. Each question carries 6 marks :

23. List the unique features of *Peripatus*.
24. Comment on *Heteronereis*.
25. Outline the salient features of Class *Asteroidea*.
26. Briefly describe the respiratory organs of prawn.
27. Explain the functions of watervascular system.
28. Explain the morphology of *Megascolex*.
29. Describe the general characters of Phylum *Hemichordata*.
30. Explain the digestive system of *Penaeus*.

(5 × 6 = 30 marks)

Part D

IV. Answer any *two* of the following. Each question carries 10 marks :

31. Classify Phylum *Mollusca* upto Class giving salient features.
32. Describe the nervous system of *Pila*.
33. Briefly explain the circulatory system of prawn.
34. Classify Phylum *Echinodermata* up to Class citing one example each.

(2 × 10 = 20 marks)