

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 AI. 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 tubefeet?
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 BII. 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 Asterozoa.
26. Briefly describe the respiratory organs of prawn.
27. Explain the functions of water vascular system.
28. Explain the morphology of Megascylex.
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)