

19U209S

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Name:

Reg. No.....

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2020

(CUCBCSS – UG)

(Supplementary/Improvement)

CC15U ZO2 B02 – ANIMAL DIVERSITY: NON-CHORDATA II

(Zoology- Core Course)

(2015 to 2018 Admissions)

Time: Three Hours

Maximum: 80 Marks

I. Answer **all** questions. Each question carries 1 mark.

1. What is heteronereis?
2. What is haemocoel?
3. What is an exoskeleton?
4. Name a Marine Echiuroid worm.
5. Sexual phase of Neries.
6. Name a mollusc with internal shell.
7. What is radula?
8. Scientific name of common millipede.
9. Give the Genus name of cuttle fish.
10. What is special about the respiratory structures of Myriapods?

(10 x 1 = 10 Marks)

II. Answer any **ten** questions. Each question carries 2 marks.

11. Describe the features of *Hirudinaria*
12. What is Aristotle's lantern? Mention its function.
13. Distinguish between prostomium and peristomium.
14. Explain ecological features of Sacculina.
15. Explain salient features of the class Asteroidea
16. Differentiate between Neries and Heteroneries.
17. Write notes on the morphological features of *Bonellia*
18. Describe the structure of shell of *Pila*.
19. What is parasitic castration? Explain with example
20. What is lophophore?
21. *Eupagurus* is well known for its facultive mutualism, Explain
22. Describe the structure of nerve ring in *Panaeus*.

(10 x 2 = 20 Marks)

III. Answer any **five** questions. Each question carries 6 marks.

23. What is the biological significance of *Limulus*?
24. Explain morphological features of Balanoglossus.

25. Enlist characteristic feature of the Phylum Arthropoda
26. Explain the water vascular system of starfish.
27. Describe the salient features of Phylum Ectoprocta.
28. Describe the water vascular system of Echinoderms.
29. Describe the unique features of cephalopod mollusks.
30. Describe the salient features of Phylum Echiura

(5 x 6 = 30 Marks)

IV. Answer any *two* questions. Each question carries 10 marks.

31. Enumerate the general characters and outline classification of Phylum Mollusc a up to classes with suitable examples
32. Describe the structure of compound eye in prawn with its working.
33. Explain the nervous system of *Nereis*.
34. Classify Phylum Annelida up to classes giving salient features of each class and an example.

(2 x 10 = 20 Marks)
