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**V Semester B.Sc. Degree Examination, February/March - 2024****ZOOLOGY****Non-Chordata and Economic Zoology****(NEP Scheme Freshers)****Paper : V****Time : 2½ Hours****Maximum Marks :60****Instructions to Candidates:**

1. Answer only in English
2. Draw diagrams wherever necessary

**PART - A****I. Answer All the following questions in one word or one sentence.****(5×1=5)**

1. Define conjugation.
2. Name the appendage which helps in swimming in Palaemon.
3. Give the scientific name of Apple snail.
4. Name any one strain of Lac insect.
5. What is vermiculture?

**PART - B****II. Answer any FIVE of the following questions.****(5×3=15)**

1. Explain binary fission in Paramecium.
2. Write a note on biramous appendages in prawn
3. Briefly explain the shell of pila globosa.
4. Sketch and label the aboral view of pentaceros.
5. Write a note on Tornaria larva.
6. Mention any three methods to control mosquitoes.
7. List the economic importance of Lac.

**[P.T.O.]**



(2)

DCZO501

**PART - C**

**III. Answer any FOUR of the following questions.**

**(4×5=20)**

1. Explain polyp and medusa of obelia
2. With a neat labelled diagram describe the morphology of male *Ascaris lumbricoides*.
3. Explain the Cocoon formation in Leech.
4. Explain the female reproductive system of prawn.
5. Give an account on systematic position of Hemichordata.
6. Briefly explain the life cycle of Gundhi Bug.

**PART - D**

**IV. Answer any TWO of the following questions.**

**(2×10=20)**

1. Explain reproductive System of *Taenia solium* with a suitable diagram.
  2. With a neat labelled diagram, explain the nervous system in *Palaemon*.
  3. Sketch and explain water vascular system in *Pentaceros*.
  4. Explain the life cycle of *Anopheles* mosquito.
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