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No. of Printed Pages : 2

Sl. No.

M.Sc. I Semester Degree Examination, April/May - 2024

ZOOLOGY

DSC 1 - Systematics and Biology of Non-chordates

(NEP)

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions with Question No. **1 (Q.1)** is **Compulsory**.
Each question carries **equal** marks.

1. (a) Describe the biological and ecological species concepts with their merits and demerits. **7**
- (b) Explain Levels of taxonomy, add a note sibling species. **7**
2. (a) Describe the general characters and classification of phylum Mollusca. **7**
- (b) Discuss the salient features of Class Aves. **7**
3. (a) Elucidate different methods of collecting insects. **10**
- (b) Write a short note on ICZN. **4**
4. Explain the structure and mechanism of locomotion. **14**
5. (a) Give an account on larval forms of Echinodermata and their significance. **10**
- (b) Write a note on nervous system in Insecta. **4**
6. Write a brief note on :
 - (a) Classification of Protozoa with suitable examples. **7**
 - (b) Evaluation of biodiversity indices. **7**

P.T.O.

- 7.** Explain in short :
- (a) Respiratory organs in Arthropoda. **7**
 - (b) Parasitic adaptations in Helminthes. **7**
- 8.** Write a short note on the following :
- (a) Water vascular system in echinoderms **5**
 - (b) Protochordates **5**
 - (c) Taxonomic keys **4**

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