



**UNIVERSITY OF NORTH BENGAL**  
B.Sc. Programme 1st Semester Examination, 2020

**DSC1-ZOOLOGY**

**ANIMAL DIVERSITY**

Full Marks: 40

**ASSIGNMENT**

*The figures in the margin indicate full marks.*

**Answer any four questions from the following** 10×4 = 40

1. Discuss different types of metamorphosis in insects citing example in each case. 10
2. Give an account of the water vascular system in *Asterias*. 10
3. Describe the poison apparatus and biting mechanism of snakes. 10
4. What are the modifications associated with the adaptation of flight of birds? 10
5. Give the general characters of Phylum Porifera. Describe the canal system in *Sycon sp.* 4+6
6. What are the general features of Protochordata and Agnatha? 5+5
7. What are the general characters of Phylum Platyhelminthes and give its classification up to Classes? 4+6
8. Describe the life history of *Ascaris lumbricoides* with proper diagrams. 10

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