



বিদ্যাসাগর বিশ্ববিদ্যালয়  
**VIDYASAGAR UNIVERSITY**

**Question Paper**

**B.Sc. Honours Examinations 2020**

(Under CBCS Pattern)

**Semester - I**

**Subject: ZOOLOGY**

**Paper: C 1-T & C 1-P**

**(Non-Chordate - I)**

**Full Marks : 60 (Theory-40 + Practical-20)**

**Time : 3 Hours**

*Candidates are required to give their answers in their own words as far as practicable.*

*The figures in the margin indicate full marks.*

**THEORY**

Answer any *two* questions from the following :

2×20=40

1. Write the general characteristics of subkingdom Protozoa and classify it upto Phylum (according to Levine et al. 1981) with examples. 3+15+2
2. What is Polymorphism? Write the difference between polyp and medusa. Describe the polymorphism in siphonophora. 2+3+15
3. Comment on Life cycle, Pathogenicity and control of *Wuchereria bancrofti*? 6+8+6
4. Write in brief about evolution of symmetry and segmentation of Metazoa. 10+10

## PRACTICAL

Answer *one* question from the following :

1×20=20

1. Write the systematic position and identifying characters of Obelia and Aurelia up to class (according to Ruppert and Barnes) 10+10
  2. Write the steps of preparation of temporary mount slide of Amoeba and Euglena with their identifying characters. 10+10
  3. Write the significance of adult Fasciola hepatica and Taenia solium. 10+10
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