বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. Honours Examinations 2021
(Under CBCS Pattern)
Semester - II
Subject: ZOOLOGY
Paper : C 3-T & P
Non-Chordates - II

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]

Group - A

Answer ***any two*** of the following: 2×15=30

1. Describe the Water-vascular system in Asteroidea. 15

2. Write the general characteristics of Mollusca and classify up to classes with suitable example. 5+10

3. Describe the tracheal respiration in Arthropoda with suitable diagram. 15

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4. Write general characteristics and evolutionary significance of Onychophora. 5+10

Group - B

Answer ***any one*** of the following: 1×10=10

5. "Hemichordata bridges the gap between Chordate and non-chordate" justify the statement. 10

6. Write the general characteristics of Annelida and classify up to classes with suitable example. 4+6

[Practical]

Answer ***any one*** of the following: 1×20=20

1. Write down the systematic position of the following specimens with proper reasons.
   (a) *Pheretima* (b) *Pila.* 10+10

2. Draw and point the digestive system of *Periplaneta.* 20

3. With a labeled diagram, point out the different parts of nervous system of Gastropods. 20

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