



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY
Question Paper

B.Sc. Honours Examinations 2022

(Under CBCS Pattern)

Semester - II

Subject : ZOOLOGY

Paper : C 3 - T

[NON CHORDATES-II]

Full Marks : 40

Time : 2 Hours

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

The figures in the margin indicate full marks.

1. Answer any **four** questions : 5×4=20
- (a) Describe the feeding mechanism of *Pila* sp.
 - (b) Discuss the water vascular system of star fish with suitable diagram.
 - (c) Describe the structure of excretory system in class Hirudinea with diagram.
 - (d) Give an account of social life in termite.
 - (e) Describe the larval forms of Echinodermata.
 - (f) Discuss the structure of septal nephridium in *Pheretima* sp.

P.T.O.

2. Answer any *two* questions :

10×2=20

- (a) What is metamorphosis? Describe the different types of metamorphosis in Insect with suitable example. Describe the different types of hormones in insect metamorphosis. 1+5+4
- (b) Describe the respiratory organ and respiratory mechanism of *Pila* sp. 5+5
- (c) Classify Arthropoda with characters and suitable example. 10
- (d) Write the characteristic features of hemichordata. Discuss briefly affinity of hemichordate with non-chordates and chordates. Add a note on its phylogeny. 3+5+2
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