

B.Sc. Semester III (Honours) Examination, 2018-19

ZOOLOGY

Course ID : 32618

Course Code : SHZOO-301C-1C(T)

Course Title : Invertebrate II

Time: 1 Hour 15 Minutes

Full Marks: 25

The figures in the margin indicate full marks.

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

1. Answer *any five* questions: 1×5=5
- (a) Give an example of mollusc with out shell.
 - (b) Write down two salient features of class Polychaeta. 1/2+1/2=1
 - (c) What is Haltere?
 - (d) What is haemolymph?
 - (e) Give an example of an Echinoderm larva.
 - (f) What is a missing link?
 - (g) Define mantle.
 - (h) What is Aristotle's lantern?
2. Answer *any two* of the following: 5×2=10
- (a) Write down five characteristics of Phylum Mollusca.
 - (b) State the evolutionary significance of Onychophora.
 - (c) Briefly describe the respiratory system of Cockroach along with suitable diagram.
 - (d) Write down the similarities and dissimilarities between Phylum Chordata and Hemichordata.
3. Answer *any one* question: 10×1=10
- (a) Classify Phylum Annelida up to class with proper examples and characters. State the function of chloragogen tissue. 8+2=10
 - (b) Briefly describe the role of hormones in metamorphosis of pterygote insects. What is the fate of prothoracic gland of pterygote insects after reaching adult stage? 9+1=10
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