

2018

2nd Semester

ZOOLOGY

PAPER—C3T

(Honours)

Full Marks : 40

Time : 2 Hours

The figures in the margin indicate full marks.

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

Illustrate the answers wherever necessary.

1. Answer any five Questions : 5×2

- (a) Name two holothuroid larvae with one important feature of each.
- (b) Why *Pila* sp. is known as amphibious animal ?
- (c) What is torsion ?

- (d) What is trophallaxis ?
- (e) What is conglobate gland ?
- (f) What are the different parts of a nephridium ?
- (g) Mention the names of respiratory structure of prawn and cockroach.
- (h) What is monopectinate gill ? Give an example.

2. Answer any *four* Questions : 4×5

- (a) Discuss the water vascular system of star fish with suitable diagram.
- (b) Write down the classification of the phylum mollusca (schematically) with one example.
- (c) Enumerate the affinities of Echinoderms with chordates.
- (d) Describe the feeding mechanism of *Pila* sp.
- (e) State the general characters of Onychophora. Add a note on its evolutionary significance.
- (f) Discuss the structure of septal nephridium in *Pheretima* with suitable diagram.

3. Answer one *one* Question : 1×10

- (a) (i) Give an account of social life in termite. 4+6
(ii) Describe the larval forms of Echinodermata.
- (b) Write the general characteristic features of hemichordata. Briefly discuss its affinity with other non-chordate and chordate. Add a note on its phylogeny. 3+5+2