

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

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