

K17U 1055

Reg. No. : .....

Name : .....

II Semester B.Sc. Degree (C.B.C.S.S. – Reg./Supple./Imp.)

Examination, May 2017

CORE COURSE IN ZOOLOGY

2B02 ZLG : Protista and Non Chordata – II

(2014 Admn. Onwards)

Time : 3 Hours

Max. Marks : 40

I. Answer any one :

(1×8=8)

- 1) Write an essay on the larval forms of echinoderms.
- 2) With the help of a labeled sketch explain the nervous system of *Penaeus*.

(1×8=8)

II. Answer any one :

- 3) Explain the digestive system of *Pila globosa*.
- 4) Classify Phylum Mollusca down to classes with salient features of each class and examples.

(2×4=8)

III. Answer any two :

- 5) Describe the different types of vision in *Penaeus*.
- 6) Write a short note on minor phyla.
- 7) Enumerate the special features of class Ophiuroidea. Give examples.

(5×2=10)

IV. Answer any five :

- 8) Write a note on arachnids. Give example.
- 9) Sketch and label ommatidium.
- 10) Write short notes on osphrdium and radula.
- 11) Give an account on oligochaeta. Give example.

.P.T.O.

K17U 1055

- 12) Distinguish between male and female Penaeus.
- 13) Briefly explain the branchial formula of Penaeus.
- 14) Name four larval forms of Crustacea.
- 15) Write a short note Limulus.

(4×1=4)

V. Answer any four :

- 16) What are epipodites ?
- 17) What are dermal branchiae ?
- 18) Name the larva of holothuria.
- 19) Name the class in which Hirudinaria belongs.
- 20) Name the functional units of compound eye.
- 21) Distinguish between true coelom and pseudocoel.

VI. Answer the following :

22) Fill in the blanks :

- a) Tiedmann's bodies are found in \_\_\_\_\_
- b) Ticks and mites belong to the class \_\_\_\_\_
- c) \_\_\_\_\_ is the larva of Pila.
- d) \_\_\_\_\_ is the largest phylum in the animal kingdom.

23) Match the following :

- |                 |             |
|-----------------|-------------|
| i) Pedicellaria | Oligochaeta |
| ii) Megascolex  | Nereis      |
| iii) Echiura    | Starfish    |
| iv) Parapodium  | Bonellia    |