



K18U 0532

Reg. No. :

Name :

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

Examination, May 2018

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) Describe the nervous system of the Prawn.
- 2) Explain the water vascular system of Asterias. Add a note on the locomotion.

II. Answer **any one** :

(1×8=8)

- 3) Describe the different larval forms in crustaceans.
- 4) Describe the economic importance of molluscs.

III. Answer **any two** :

(2×4=8)

- 5) What are the salient features of Hemichordata with an example ?
- 6) Describe the organs of pallial complex of Pila.
- 7) Write notes on Peripatus as a connecting link.

IV. Answer **any five** :

(5×2=10)

- 8) Explain the structure of ommatidium in Prawn.
- 9) Explain the structure and function of kidney in Pila.
- 10) Write notes on trilobites.

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- 11) Enumerate the special feature of class Crinoidea.
- 12) What are parasitic adaptations of Leech ?
- 13) Write a note on Sacculina.
- 14) Describe the external features of Chiton.
- 15) Write a note on Nautilus.

V. Answer **any four** :

(4×1=4)

- 16) What is Aristotle's Lantern ?
- 17) What do you mean by Pseudocoelom ?
- 18) Mention the function of Hepatopancreas.
- 19) Name any two organisms coming under class Arachnida.
- 20) What is organ of Bojanus ? Mention its function.
- 21) What is pedicellaria ?

VI. Answer the following :

(2×1=2)

22) Fill in the blanks :

- a) The excretory organ of Prawns _____
- b) Study of Molluscs is known as _____
- c) _____ is the sexual part in body of Heteroneries.
- d) _____ is the larvae of Astrias.

23) Match the following :

- | | |
|---------------|--------------|
| a) Radula | 1) spider |
| b) Book lungs | 2) mollusc |
| c) Clitellum | 3) neries |
| d) Parapodium | 4) earthworm |
