



K19U 0284

Reg. No. : .....

Name : .....

**II Semester B.Sc. Degree (CBCSS – Reg./Supple./Improv.)**  
**Examination, April 2019**  
**(2014 Admission Onwards)**  
**CORE COURSE IN ZOOLOGY**  
**2B02ZLG : Protista and Non-Chordata – II**

Time : 3 Hours

Max. Marks : 40

I. Answer any one :

(1×8=8)

- 1) Classify the phylum Annelida to the classes with salient feature and examples.
- 2) Explain the water vascular system of Astrias. Add a note on the locomotion.

II. Answer any one :

(1×8=8)

- 3) Describe the different larval forms in Echinodermata.
- 4) Describe the circulatory system of Pila and its mechanism of circulation.

III. Answer any two :

(2×4=8)

- 5) What are the salient features of Hirudinea with an example ?
- 6) Write a note the economic importance of mollusc.
- 7) Write a note on Peripatus as a connecting link.

IV. Answer any five :

(5×2=10)

- 8) Write a note on Neopilina.
- 9) Explain the structure and function of parapodium.
- 10) What are trilobite ? Explain their evolutionary significance.

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- 11) Enumerate the special feature of class Arachnida.
- 12) What are the salient features of class Ophiuroidea ?
- 13) Write a note on Eupagurus.
- 14) Describe the external features of Sepia.
- 15) Write a note on Limulus.

V. Answer **any four** :

(4×1=4)

- 16) Which class is Nautilus assigned to and write any one feature.
- 17) Difference between Eucoelom and Pseudocoelom.
- 18) Write a note on Heteroneries.
- 19) What is clitellum ?
- 20) What is the function of petasma ?
- 21) Write on the economic importance of Pinctada.

## VI. Answer the following :

(2×1=2)

22) Fill in the blanks :

- a) Pila uses \_\_\_\_\_ for rasping the food.
- b) Study of Molluscs is known as \_\_\_\_\_
- c) Holothuria is commonly known as \_\_\_\_\_
- d) \_\_\_\_\_ is the larvae of Echinus.

23) Match the following :

- |                |             |
|----------------|-------------|
| a) Lepisma     | 1) Sepia    |
| b) Cuttle fish | 2) Starfish |
| c) Madreporite | 3) Bivalvia |
| d) Perna       | 4) Insecta  |