



K15U 0488

Reg. No. : .....

Name : .....

**I Semester B.Sc. Degree (CCSS – Supple./Improv.)**

**Examination, November 2015**

**(2013 and Earlier Admn.)**

**COMPLEMENTARY COURSE IN ZOOLOGY**

**1C01 ZLG : Diversity of Life – I**

Time : 3 Hours

Max. Weightage : 25

I. Answer any one :

(Weight 4)

- 1) Give an account on the modes of locomotion in Protista.
- 2) Describe the thoracic appendages of *Penaeus* with the help of labeled sketches.

(1×4=4)

II. Answer any one :

(Weight 4)

- 3) Give an outline of the classification of Phylum Annelida with examples. Mention the salient feature of each class.
- 4) Write the salient features of Phylum Cnidaria.

(1×4=4)

III. Answer any four :

(Weight 2 each)

- 5) Describe any two beneficial insects and their economic importance.
- 6) What are the salient features of class Insecta ?
- 7) Comment on the locomotion of *Asterias*.
- 8) Write an account on the economic importance of Mollusca.
- 9) Describe the excretory organs in *Megascolex*.
- 10) Write a note on Vermiculture and its importance.

(4×2=8)

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IV. Answer any seven :

(Weight 1 each)

- 11) What is polyembryony ?
- 12) Sketch a labeled diagram of chaetae of earthworm.
- 13) What is sericulture ?
- 14) What is epipodite ?
- 15) What is meant by metamerism ?
- 16) Name any two animal protists.
- 17) What is water vascular system ?
- 18) Explain evisceration.
- 19) What is gemmule ?
- 20) What is apiculture ?

(7×1=7)

V. Answer the following :

(Weight 1 each)

- 21) a) \_\_\_\_\_ is the reproductive structure on the 1<sup>st</sup> abdominal segment of male Penaeus.
- b) \_\_\_\_\_ is an example of class Arachnida.
- c) \_\_\_\_\_ is the scientific name of tapeworm.
- d) Planaria comes under class \_\_\_\_\_

22) Match the following :

- |             |               |
|-------------|---------------|
| a) Adamsia  | Schyphozoa    |
| b) Asterias | Anthozoa      |
| c) Ascon    | Echinodermata |
| d) Aurelia  | Annelida      |
|             | Porifera      |

(2×1=2)