



M 7850

Reg. No. :

Name :

I Semester B.Sc. Degree (CCSS – Reg.) Examination, November 2014
(2014 Admn.)

COMPLEMENTARY COURSE IN ZOOLOGY

1C01 ZLG : Diversity of Life – 1

Time : 3 Hours

Max. Marks : 32

I. Essay (Answer any one) : (1×6=6)

- 1) Enumerate the features of phylum Arthropoda.
- 2) Write an essay on animal protists.

II. Answer any one : (1×6=6)

- 3) With the help of a sketch explain the digestive system of Penaeus.
- 4) With the help of diagram explain the vision in Penaeus.

III. Answer any four : (4×3=12)

- 5) Write a short note on beneficial insects.
- 6) Give an account on metagenesis in obelia.
- 7) What is sexual dimorphis ? With the help of diagrams differentiate a male Ascaris from female.
- 8) Classify Phylum Mollusca up to class. Give any four features and one example from each class.
- 9) Explain polyembryony and its significance in Fasciola.
- 10) Explain the structure of scolex of Taenia with the help of a diagram.

IV. Answer any six : (6×1=6)

- 11) What is ecdysis ?
- 12) Give the scientific name of apple snail.
- 13) What is cnidoblast ?
- 14) What is petasma ?
- 15) What are spicules ?

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16) Name the larvae of sponges.

17) What is cuttle bone ?

18) What is coenosarc ?

19) What is hirudin ?

V. Answer the following :

(2×1=2)

20) Choose the right answer from the option given :

a) Ink sac is the feature of

i) Amoeba ii) Starfish iii) Sepia iv) Aurelia

b) Epipodite is concerned with

i) respiration ii) circulation iii) excretion iv) reproduction

c) A free living protista is

i) Amoeba ii) Plasmodium iii) Trypanosoma iv) None of these

d) Leech is a

i) Annelid ii) Mollusc iii) Nematode iv) Coelenterate

21) State whether the statements are **true** or **false** :

a) Haemocoel is blood filled visceral cavity.

b) Statocyst is an excretory organ.

c) Plasmodium is parasitic protist.

d) Echinoderms are exclusively marine.
