



K15U 0604

Reg. No. : .....

Name : .....

**I Semester B.Sc. Degree (CCSS-Reg./Supple./Improv.)**  
**Examination, November 2015**  
**COMPLEMENTARY COURSE IN ZOOLOGY**  
**1C01 ZLG : Diversity of Life – 1**  
**(2014 Admn. Onwards)**

Time : 3 Hours

Max. Marks : 32

I. Essay (Answer **any one**) : (1×6=6)

- 1) Write an essay on economic importance of mollusca.
- 2) Write an essay water vascular system in echinoderms.

II. Answer **any one** : (1×6=6)

- 3) Classify phylum arthropoda up to classes. Give any four features and one example from each class.
- 4) Give an account on vermiculture and its significance.

III. Answer **any four** : (4×3=12)

- 5) Write a short note on sericulture.
- 6) Distinguish between animal protest and plant protists.
- 7) List the features of porifera.
- 8) Enumerate the parasitic adaptations of helminth parasites.
- 9) With the help of a sketch briefly explain the structure of obelia medusa.
- 10) Write a short note on lac insect.

IV. Answer **any six** : (6×1=6)

- 11) What is haemocoel ?
- 12) Give the scientific names of honey bee and silkworm moth.
- 13) Mention the pathogenicity caused by Schistosoma.
- 14) What is heteronereis ?
- 15) What do you mean by ommatedium ?

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- 16) What are flame cells ?
- 17) What are cnidoblasts ?
- 18) Name the phylum in which adults radially symmetrical and larvae are bilaterally symmetrical.
- 19) What are Tiedmans bodies ?

V. Answer the following :

(2×1=2)

20) Choose the right answer from the option given :

- a) Silver fish is
- |              |                   |
|--------------|-------------------|
| i) sardine   | ii) mackerel      |
| iii) lepisma | iv) none of these |
- b) Slipper animalcule is
- |                 |                  |
|-----------------|------------------|
| i) Vorticella   | ii) Noctiluca    |
| iii) Paramecium | iv) Trichonympha |
- c) Largest phylum in the animal kingdom ?
- |                 |                   |
|-----------------|-------------------|
| i) Coelenterata | ii) Mollusca      |
| iii) Arthropoda | iv) Echinodermata |
- d) Ascon is
- |             |                  |
|-------------|------------------|
| i) annelid  | ii) mollusc      |
| iii) sponge | iv) coelenterate |

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

- a) Green gland is an excretory organ of prawn.
- b) *Taenia solium* is a monogenetic parasite.
- c) Nereis belongs to polychaeta.
- d) Amphiblastula is the larva of sponge.