



K17U 2562

Reg. No. : .....

Name : .....

I Semester B.Sc. Degree (CBCSS – Reg./Supple./Improv.)

Examination, November 2017

COMPLEMENTARY COURSE IN ZOOLOGY

1C01ZLG : Diversity of Life – 1

(2014 Admn. Onwards)

Time : 3 Hours

Max. Marks : 32

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

- 1) Mention Vermiculture and its significance.
- 2) Explain the water vascular system in Asterias. Add a note on the Locomotion.

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

- 3) Give the salient features of Phylum Mollusca with examples.
- 4) Explain Locomotion in Protista.

III. Short Essay (Answer **any four**) : (4×3=12)

- 5) Explain the circulatory system of Earthworm.
- 6) Explain the structure of Obelia with the help of the diagram.
- 7) What is Apiculture ? List the use of honey.
- 8) Draw and label the parts of Scolex in Taenia solium. Describe each parts and its function.
- 9) Describe Cnidoblasts with the help of a diagram. Give a note on its function.
- 10) Briefly explain nervous system of Prawn.

IV. Short Answers (Answer **any six**) : (6×1=6)

- 11) What is a Madreporite ?
- 12) What is metagenesis ?
- 13) What are Choanocytes ?

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- 14) What is metamerism ?
- 15) What is Petasma ?
- 16) What is the function of green glands ?
- 17) What is statocyst ?
- 18) What is royal jelly ?
- 19) What is polyembryony ?

V. Answer the following :

(2×1=2)

20) Choose the correct answer from the given options :

- a) A free living protist
  - a) Paramecium
  - b) Trypanosoma
  - c) Plasmodium
  - d) None of these
- b) The Coelom of Platyhelminthes is
  - a) Acoelom
  - b) Pseudocoel
  - c) Haemocoel
  - d) Eucoelom
- c) \_\_\_\_\_ is the insect used in Sericulture.
  - a) *Apis indica*
  - b) *Bombyx mori*
  - c) *Tachardia laca*
  - d) None of these
- d) Malaria is caused by
  - a) Trypanosoma
  - b) Plasmodium
  - c) Entamoeba
  - d) Paramecium

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

- a) Alternation of sexual and asexual generation is metagenesis.
  - b) Coelom of cnidaria is eucoelom.
  - c) Pinacocyte is present in Phylum Annelida.
  - d) Lepisma is also called silver fish.
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