



K17U 2561

Reg. No. :

Name :

I Semester B.Sc. Degree (C.B.C.S.S. – Reg./Supple./Improv.)
Examination, November 2017
Core Course in Zoology
1B01 ZLG : PROTISTA AND NON CHORDATA
(2014 Admn. Onwards)

Time : 3 Hours

Max. Marks : 40

I. Answer **any one** : (1×8=8)

- 1) What is metagenesis ? Describe metagenesis using Obelia as an example.
- 2) Briefly explain the life cycle of Fasciola hepatica with a labelled diagram.

II. Answer **any one** : (1×8=8)

- 3) Classify Phylum Porifera up to classes.
- 4) Briefly explain the life cycle of Plasmodium vivax.

III. Answer **any two** : (2×4=8)

- 5) Write a short note on the Physalia.
- 6) Write short notes on coral reefs.
- 7) Write notes on Wuchereria bancrofti.

IV. Answer **any five** : (5×2=10)

- 8) Give the economic importance of Euplectella.
- 9) Distinguish between an amphiblastula and parenchymula larva.
- 10) What are algal blooms ? Name the organism that causes it.
- 11) Give the salient features of Phylum Ctenophora.
- 12) Write short note on Vorticella.
- 13) Write a short note on Choanocytes.
- 14) Differentiate between schizocoelic and enterocoelic coelom with an example.
- 15) Write short notes on Trichonympha.
- 16) Write notes on Cytotaxonomy.

P.T.O.



V. Answer any four :

(4×1=4)

- 17) What is plasmotomy ? Give an example.
- 18) What is pseudocoel ? Give an example.
- 19) Differentiate between monogenetic and digenetic parasite with examples.
- 20) What are Schuffner's dots ?
- 21) What is polyembryony ?
- 22) Differentiate between radial and biradial symmetry with examples.

VI. Answer all questions :

(2×1=2)

23) Fill in the blanks :

- a) _____ is known as "Portugese man-of-war".
- b) Innumerable pores seen on the surface of sponges is called _____.
- c) _____ is known as "Slipper animalcule".
- d) _____ is known commonly as "Blood Fluke".

24) Match the following :

- | | |
|-----------------|------------------------------|
| a) Spongilla | Rotifera |
| b) Cavier Smith | Porifera |
| c) Termites | Eight Kingdom Classification |
| d) Brachionus | Trichonympha |