



K15U 0603

Reg. No.:

Name:

I Semester B.Sc. Degree (CCSS – Reg./Supple./Improv.)
Examination, November 2015
Core Course in Zoology
1B01ZLG : PROTISTA AND NON CHORDATA – I
(2014 Admn. Onwards)

Time : 3 Hours

Max. Marks : 40

I. Answer **any one** :

(1×8 = 8)

- 1) Write an essay on coral and coral reefs.
- 2) Describe reproduction in paramecium.

II. Answer **any one** :

(1×8 = 8)

- 3) Explain the canal system in sponges.
- 4) Classify phylum coelenterate up to classes. Mention the features of the classes and give examples.

III. Answer **any two** :

(2×4 = 8)

- 5) Briefly explain alternation of generation in obelia.
- 6) Explain the features of porifera.
- 7) Write a brief note on Plasmodium.

IV. Answer **any five** :

(5×2 = 10)

- 8) Give an account of rhizopoda.
- 9) Briefly explain the life history of Echinococcus.
- 10) Sketch and label paramecium.
- 11) List the salient features of Demospongia.
- 12) Mention the mode of infection of *Ascaris*, *Wuchereria*, *Enterobius* and *Ancylostoma*.

P.T.O.



13) Define the terms :

- a) Chemotaxonomy
- b) Serotaxonomy and
- c) Cytotaxonomy.

14) Distinguish between polyp and medusa.

15) What is budding ?

16) Sponges are the simplest animals on the planet. Comment on.

17) Write a short note on the defense mechanism in cnidarians.

V. Answer **any four** :

(4×1 = 4)

18) What are choanocytes ? Mention the functions.

19) What is gemmule ?

20) Define metagenesis.

21) What is red tide ?

22) What is syncytial epidermis ?

23) Name a fresh water sponge.

VI. Answer the following :

(2×1 = 2)

24) a) Spicules are the skeletal structures of _____

b) Microfilaria is the larva of _____

c) Plasmodium belongs to the phylum _____

d) _____ is the non-cellular material found between the ectoderm and endoderm.

25) Match the following :

- | | |
|------------------|-------------|
| i) Gastrotricha | Dugesia |
| ii) Parazoa | Amoeba |
| iii) Turbellaria | Chaetonotus |
| iv) Rhizopoda | Sponge |
