

Exam. Code : 103201

Subject Code : 1283

B.A./B.Sc. 1st Semester

ZOOLOGY ZOO—IB

[Biodiversity—I (Protozoa to Annelida)]

Time Allowed—3 Hours]

[Maximum Marks—35

Note :— Attempt any **FIVE** questions, selecting at least **ONE** question from each Section. The **FIFTH** question may be attempted from any Section.

SECTION—A

- I. Write down the theories of amoeboid movement. 7
- II. Draw and explain the life cycle of *Plasmodium vivax*. 7

SECTION—B

- III. Describe the canal system of *Sycon*. 7
- IV. (i) Give the similarities and dissimilarities between polyp and medusa of *Obelia*. 5
- (ii) Write a short note on metagenesis in *Obelia*. 2

SECTION—C

- V. (i) Write short notes on Flame cells and Miracidium larva of *Fasciola hepatica*. 4

- (ii) Draw a well labelled diagram of life history of *Fasciola*. 3
- VI. Give an account of the reproductive organs of *Taenia*. 7

SECTION—D

- VII. (i) Write a detailed account of parasitic adaptations in *Ascaris*. 4
- (ii) Give the differences between male and female *Ascaris*. 3
- VIII. Describe the nephridial system of earthworm. 7