

Exam. Code : 103201

Subject Code : 1284

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

ZOOLOGY

Paper-Zoo-IB (Biodiversity-I (Protozoa to Annelida))

Time Allowed—3 Hours]

[Maximum Marks—35

Note :— There are total nine questions. Question No. 1 is compulsory which will carry 1 mark each and candidates have to attempt **one** question each from remaining four units and each question will carry 7 marks each.

- I. (1) Explain osmoregulation in *Amoeba*.
(2) What is Exo-erythrocytic stage of *Plasmodium vivax*?
(3) Explain Apopyle in *Sycon*.
(4) Write about Medusa in *Obelia*.
(5) How *Fasciola hepatica* enters into the human body?
(6) Write about gravid proglottid of *Taenia solium*.
(7) Enumerate differences between male and female *Ascaris*.

UNIT-I

- II. Explain in detail about reproduction in *Amoeba*.
III. Discuss sexual cycle of *Plasmodium vivax*.

UNIT-II

- IV. Write in detail about canal system in *Sycon* and draw its labeled diagram.
- V. Explain three types of zooids in *Obelia* i.e. Polyp, Blastostyle and Medusa.

UNIT-III

- VI. Write in detail about Miracidium larva of *Fasciola hepatica* with diagrammatic representation.
- VII. Explain in detail about female reproductive system of *Taenia solium*.

UNIT-IV

- VIII. Explain excretory system of *Ascaris* in detail.
- IX. Discuss in detail about circulatory system of *Pheretima posthuma*.