

B.A./B.Sc. Semester—I

ZOOLOGY ZOO-I (B) (Biodiversity-I, Protozoa to Annelida)

Time Allowed—3 Hours] [Maximum Marks—35

Note :— There are total 9 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. <http://www.gnduonline.com>

- I. (1) What is Circumvalation in *Amoeba* ?
(2) Explain signet ring stage.
(3) What is killer trait ?
(4) Explain Medusa in *Obelia*.
(5) Explain flame cell in *Fasciola hepatica*.
(6) Explain gravid proglottis of *Taenia solium*.
(7) Explain Pseudocoel in *Ascaris*.

UNIT-I

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

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UNIT-I

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

UNIT-II

- IV. Explain in detail about Canal System in *Sycon*.
- V. Explain blastostyle in *Obelia* and draw labelled diagram.

UNIT-III

- VI. Explain reproductive system of *Fasciola hepatica* with diagram.
- VII. Discuss life history of *Taenia solium*.

UNIT-IV

- VIII. Explain detailed male body wall structure in *Ascaris*.
- IX. Write in detail about digestive system of *Pheretima posthuma*.

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