

Bachelor of Science (B.Sc.) Semester—I (C.B.S.) Examination

ZOOLOGY

(Life and Diversity of Animals — Non-chordates)

(Protozoa to Annelida)

Compulsory Paper—1

Time : Three Hours]

[Maximum Marks : 50

N.B. :— (1) **ALL** questions are compulsory.

(2) All questions carry equal marks.

(3) Illustrate your answer with suitable diagrams.

1. Describe the life cycle of *Plasmodium* in mosquito. 10

OR

Write notes on :

(A) *Giardia* 5

(B) Structure of *Paramecium*. 5

2. Describe the life cycle of *Obelia*. 10

OR

Write notes on :

(A) Ascon type of Conal system. 5

(B) Classification of Porifera. 5

3. Give an account of life cycle of *Taenia Solium*. 10

OR

Write notes on :

(A) Male reproductive system in *Ascaris*. 5

(B) Morphological Adaptations in Helminthes. 5

4. Give an account of Digestive system of Leech. 10

OR

Write notes on :

(A) Trochophore larva. 5

(B) General characters of Annelida. 5

5. Write **four** or **five** lines on the following (any **ten**) :

(i) *Trypanosoma*

(ii) Signet ring stage

(iii) Amoebiasis

(iv) Archeocytes

(v) Choanocytes

(vi) Polyp

(vii) Scolex

(viii) Sexual dimorphism in *Ascaris*

(ix) Rhabditiform larva

(x) Testicular Nephridia

(xi) Ovisac

(xii) *Eisenia Foetida*. 1×10=10