

Bachelor of Science (B.Sc.) Semester–I Examination
ZOOLOGY(Life and Diversity of Animals Non–Chordates) (Protozoa to Annelida)
Optional 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. Give an account on process of conjugation in *Paramecium*. 10

OR

Write notes on :

- (A) Asexual cycle of *plasmodium vivax* 5
 (B) *Trypanosoma*. 5
2. Give an account on general characters and classification of porifera upto classes. 10

OR

Write notes on :

- (A) Ascanoid canal system in sycon 5
 (B) Types of Coral Reefs. 5
3. Describe the Life cycle of *Ascaris*. 10

OR

Write notes on :

- (A) Morphological adaptations in helminthes. 5
 (B) Female reproductive system in *Ascaris*. 5
4. Give an account on Urinogenital system in Leech. 10

OR

Write notes on :

- (A) Morphological features of Leech with suitable diagram. 5
 (B) Classification upto classes of Phylum Annelida. 5

5. Write **FOUR** or **FIVE** lines on the following (any **ten**) :

(i) Phytomastigophorea

(ii) Amoebiasis

(iii) Trichocyst

(iv) Polyp

(v) Planula

(vi) Blastostyles

(vii) Gravid proglottid

(viii) Hexacanth

(ix) Penial setae

(x) Crop

(xi) Oligochaeta

(xii) Telotroch.

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