



PMM/KS/15-5742

First Semester B. Sc. Examination

ZOOLOGY

Paper - I

(Life and Diversity of Animals - Nonchordates)

(Protozoa to Annelida)

Time : Three Hours]

[Max. Marks : 50

- N. B. : (1) All questions are compulsory.
(2) All questions carry equal marks.
(3) Illustrate your answer with suitable diagrams.

1. Write an Essay on the process of conjugation in **Paramecium**. 10

OR

Write short notes on :—

- (A) **Eutamoeba**. 5
(B) General characters of phylum Protozoa. 5
2. Write an essay on life cycle of **Obelia**. 10

OR

- (A) Ectodermal cell types of **Scypha**. 5
(B) Structure of coral polyps. 5
3. Describe structure of **Taenia solium** in detail. 10

OR

- (A) Male reproductive system of **Ascaris**. 5

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Contd.



(B) Physiological adaptations in helminthes. 5

4. Write an essay on External characteristic of Leech. 10

OR

(A) Draw well labelled diagram of urinogenital, system of Leech. (Description not necessary). 5

(B) Trochophore laws. 5

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

- (i) Pellicle.
- (ii) Trypanosoma.
- (iii) Megagametocyte.
- (iv) Aphodus.
- (v) Atoll.
- (vi) Onchosphere.
- (vii) Gravid ploglottids.
- (viii) Penial setae.
- (ix) Ascariasis.
- (x) Cocoon formation.
- (xi) Hirudin.
- (xii) Ciliated organ.

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