



NTK/KW/15/5764

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

**ZOOLOGY**

(Life & Diversity of Animals – Nonchordates)

(Protozoa to Annelida)

**Compulsory Paper—I**

Time—Three Hours]

[Maximum Marks—50

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

1. Describe the structure of *Paramecium* in detail. 10

**OR**

Write notes on :

- (A) *Giardia* 5  
(B) Mode of infection and control of *Leishmania*. 5

2. Describe the canal system in sycon. 10

**OR**

Write notes on :

- (A) General Characters of Coelenterata 5  
(B) *Obelia* medusa. 5



3. Give an account of parasitic adaptations in helminthes.

10

OR

Write notes on :

(A) Structure of Mature Proglottid 5

(B) External morphology of *Ascaris*. 5

4. Describe digestive system of Leech in detail. 10

OR

Write notes on :

(A) General characters of Annelida 5

(B) Importance of Vermiculture. 5

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

(i) Signet ring

(ii) Amoebiasis

(iii) Trichocyst

(iv) Coral reef

(v) Rhagon

(vi) Amphiblastula Larva

(vii) Cuticle

(viii) Suckers of *T. Solium*

(ix) Mehl's gland

(x) Atrium

(xi) Pretesticular nephridia

(xii) Vermicompost.

10