

KNT/KW/16/5049

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 man. 10

OR

Write notes on :

- (a) Binary fission in *Paramoecium* 5

- (b) Mode of infection and control of *Giardia*. 5

2. Describe the Leucon type of canal system in sponges with suitable diagrams. 10

OR

Write notes on :

- (a) General characters of Porifera 5

- (b) Coxal reefs. 5

3. Describe in detail the life cycle of *Ascaris*. 10

OR

Write notes on :

- (a) General characters of Helminthes 5

- (b) Mature proglottids of *Taenia Solium*. 5

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(Contd.)

4. Write an essay on Vermiculture and add a note on its importance. 10

OR

Write notes on :

- (a) Trochopore larva 5
 - (b) General characters of Annelida. 5
5. Write 4 or 5 lines on the following (any **ten**) :
- (i) Trichocysts
 - (ii) Schizont
 - (iii) Tse tse fly
 - (iv) Pinacoderm
 - (v) Amphiblastula larva
 - (vi) Gastrozoid
 - (vii) Scolex
 - (viii) Hexacanth
 - (ix) Bladderworm
 - (x) Ciliated organ
 - (xi) Vermiwash
 - (xii) *Eiscnia Foetida*. 1×10