



TKN/KS/16 – 5801

Second Semester B. Sc. Examination

ZOOLOGY

Paper - I

**(Life and Diversity of Animals : Non Chordates
Arthropoda to Hemichordata)**

Time : Three Hours]

[Max. Marks : 50

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

1. Write an essay on crustacean larvae. 10

OR

Write notes on :—

- (A) Female reproductive system of cockroach. 5
(B) Castes in Honey Bee. 5

2. Give an account of Mechanism of Respiration in Pila. 10

OR

Write notes on :— :

- (A) Radula. 5
(B) Glochidium larya. 5

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Contd.



3. Describe the External features of Asterias. 10

OR

Write notes on :—

- (A) Alimentary canal of Asterias. 5
(B) Auricularia larva. 5

4. Describe the digestive system of Balanoglossus. 10

OR

Write notes on :—

- (A) General characters of Hemichordata. 5
(B) Tornaria larva. 5

5. Write **four** or **five** lines on the following (any **10**) :—

- (i) Mandible.
(ii) Phallomere.
(iii) Phlebotomus.
(iv) Odontophore.
(v) Hypobranchial gland.
(vi) Periostracum.
(vii) Tube feet.
(viii) Crinoidea.



(ix) Tidemann's bodies.

(x) Probocis.

(xi) Genital wings.

(xii) Enteropneusta.

10