

(Turn Over)

(2)

Unit-II

2. Explain the respiratory adaptation in aquatic and endoparasitic insects.

OR

Write short notes on the following :

- (a) Osmoregulation in insects
(b) Function of hemolymph in insects

Unit-III

3. Explain the endocrine structure and function in insects.

OR

Write short notes on the following :

- (a) Bioluminescence in insects
(b) Chemoreception in insects

Unit-IV

4. Explain the endocrine control of reproduction and metamorphoses.

OR

Describe the various types of Larva and Pupa and their significance.
