

B.Sc. (New CBCS Pattern) Semester-V
USCZOT11 - (DSE) Core Paper-XI - Zoology Paper-III
Insect Vector and Diseases

P. Pages : 1

Time : Three Hours



GUG/W/24/13121

Max. Marks : 50

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw labeled diagram wherever necessary.

1. Describe in detail structure of antennae and type of antennae of insect. 10

OR

 - a) Write a note on structure of head capsule of insect. 5
 - b) Types of vectors and its transmission. 5
2. Describe in detail diseases transmitted by house fly as insect vector and add note on its prevention and control. 10

OR

 - a) Life cycle of mosquito. 5
 - b) Life cycle of *Wuchereria*. 5
3. Give an account on type of Leishmaniasis. Add note on its control and prevention. 10

OR

 - a) Short note on blood sucking bugs. 5
 - b) Life Cycle of Bot fly. 5
4. Describe in details morphology of Rat flea and add note on the diseases transmitted by it. 10

OR

 - a) Add note on head louse. 5
 - b) Typhus fever. 5
5. Write four to five lines on **any ten**. 10

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|-------------|----------------------|
| i) Insect | vii) Myiasis |
| ii) Ecdysis | viii) Filariasis |
| iii) Labrum | ix) Amastigotes |
| iv) Malaria | x) Relapsing fever |
| v) Diptera | xi) Pneumatic plague |
| vi) Dengue | xii) Pubic lice |
