

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

P. Pages : 2

Time : Three Hours



GUG/W/23/13121 (S)

Max. Marks : 50

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- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Whenever necessary draw well labeled diagrams.

1. Describe in detail structure of insect head. **10**

OR

Attempts the following.

- a) General features of insect.
- b) Biting and chewing type of mouthparts of insects.

2. Add a notes on the orders with insect vectors – Diptera and Siphonaptera. **10**

OR

Attempt the following.

- a) Classification of insect.
- b) Order-Siphonculata

3. Give an account on different types of Leishmaniasis. **10**

OR

Attempt the following.

- a) Myiasis
- b) Chaga disease

4. Describe in details on flea as vector of disease and add a note on its prevention and control. **10**

OR

Attempts the following.

- a) Typhus fever
- b) Relapsing fever

5. Write shorts notes on the following in 4 to 5 lines. (**any ten**)

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|--------------------|-------------------|
| i) Vector | ii) Sclerite |
| iii) Ocelli | iv) Exopterygota |
| v) Shigellosis | vi) Plague |
| vii) Tritomine bug | viii) Phlebotomus |
| ix) Trench fever | x) Xenopsylla |
| xi) Pediculus | xii) Flea |
