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6. Write short notes on any **three** of the following : (3×5=15)

- (i) General features of order Diptera
- (ii) Relapsing fever
- (iii) Clinical significance of Chikungunya
- (iv) *Musca domestica* as a mechanical vector

(300)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 4889

J

Unique Paper Code : 2234002006

Name of the Paper : GE : Insect Vectors and Disease

Name of the Course : **GE-Zoology Theory Examination, May-June, 2025**

Semester : IV (NEP-UGCF)

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt **FOUR** questions in all.
3. Question No. **1** is compulsory.
4. Draw labeled diagrams wherever necessary.

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1. (a) Define the following : (4)

(i) Incubation Period

(ii) Myiasis

(iii) Infestation

(iv) Zoonosis

(b) Differentiate between the following : (8)

(i) Epidemic typhus and Murine typhus

(ii) Saltatorial and Raptorial legs

(iii) Vector and Reservoir

(iv) Anaphylaxis and Prophylaxis

(c) Write the scientific name of the vector of the following disease : (3)

(i) Vagabond Disease

(ii) Japanese Encephalitis

(iii) Filariasis

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2. Explain modification of mouthparts in different types of insects in relation to their feeding habits. Elaborate your answer with suitable diagrams. (15)

3. (a) Describe the clinical features, epidemiology and preventive measures of Leishmaniasis. (8)

(b) Give an account of the clinical features of Dengue. (7)

4. Name and discuss the role of a laterally compressed, secondarily wingless, ectoparasitic insect as vector of various diseases. Add a note on these diseases and their control. (15)

5. Give the scientific name and general characteristics of body louse. Discuss its role as a vector in the transmission of diseases. Suggest suitable preventive measures for this vector. (15)

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