

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 8151

K

Unique Paper Code : 2233580025

Name of the Paper : Medical and Veterinary Pest

Name of the Course : **B.SC. (P) APPLIED LIFE SCIENCE WITH
AGRO-CHEMICALS AND PEST
MANAGEMENT, Theory (NEP-UGCF)**

Semester : VIII

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 any **four** questions in all.
3. Question No. 1 is compulsory.
4. Draw a suitable well labelled diagram wherever necessary

Q1. (a) Define the following:

(1x4=4)

- (i) Haltere
- (ii) Reservoir host
- (iii) Prepatent period
- (iv) Vectorial Capacity

(b) Differentiate between the following (any three)

(2x3=6)

- (i) Endemic and Epidemic typhus
- (ii) Primary and Secondary Host
- (iii) *Anopheles* and *Culex* mosquito
- (iv) Sylvatic and Urban plague

(c) Match the following:

(1x5=5)

- | | |
|------------------------|---------------------------|
| (i) Saltatorial leg | a) Chagas disease |
| (ii) Plague | b) <i>Cimex</i> |
| (iii) Organ of Berlese | c) Flea |
| (iv) Ommatidium | d) <i>Yersinia pestis</i> |
| (v) Trypanosoma | e) Compound eye |

- Q2. (a) Write the distinguished features of *Musca domestica*. Describe its life cycle, diseases associated and control measures. (12)
- (b) Write the symptoms of Dengue hemorrhagic fever (DHF). (3)
- Q3. (a) Give an account of the habitat, medical importance and control measures of Sandfly. (9)
- (b) Give scientific name of any one endoparasite. Write the symptoms and prevention of the disease caused by it. (6)
- Q.4. (a) Describe the life cycle of *Trypanosoma gambiense* and write its pathogenicity, transmission and control measures. (12)
- (b) Write the prevention measures for Japanese encephalitis. (3)
- Q.5. (a) Name the causative agents of filariasis. Discuss the life cycle and transmission dynamics of lymphatic filariasis using well labelled diagram. (8)
- (b) Elucidate the preventive and control measures of filariasis. (7)
- Q.6. Write a short note on ANY THREE of the following: (5x3=15)
- (i) Mites
 - (ii) Yellow fever
 - (iii) Chemical control methods of insect pests
 - (iv) *Cimex lectularis*