

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 7473

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) Zoonosis
- (ii) Sporogony
- (iii) Myiasis
- (iv) Quarantine

(b) Differentiate between the following (**any three**):

(2x3=6)

- (i) Definite and Intermediate Host
- (ii) Trophozoite and Merozoite stage
- (iii) Ticks and Mites
- (iv) Mechanical and Biological Vector

(c) State whether following statements are **True/False**:

(1x5=5)

- (i) Male mosquito has pilose antenna whereas female has plumose.
- (ii) Elytra are modified hind wings present in the order Diptera.
- (iii) The *Aedes* mosquito is the primary carrier responsible for transmitting Zika virus.
- (iv) Shigellosis is caused by *Calliphoridae*.
- (v) Bed bug transmits kala azar causing pathogen.

P.T.O.

- Q2. (a) Write the distinguished features of any one species of louse you studied and give brief account of diseases associated with *Pediculus humanus*. (8)
(b) What are the symptoms of Dengue hemorrhagic fever. Enumerate the various control measures against dengue vector? (7)
- Q3. (a) Name the different species of *Plasmodium* causing Malaria. Describe the life cycle of *Plasmodium* with the help of diagrams. (10)
(b) Describe key differences between ectoparasitism and endoparasitism with one example each. (5)
- Q4. (a) Describe the life cycle of *Wuchereria bancrofti* with diagrams. Add a note on clinical significance and prevention. (13)
(b) Name the pest caused scabies and babesiosis. (2)
- Q5. (a) Write the distinguished features of *Xenopsylla*. Explain its life cycle with medical importance. (10)
(b) Give brief account of transmission and control of disease caused by housefly. (5)
- Q 6. Write short notes on ANY THREE of the following: (5x3=15)
(i) Reservoir
(ii) Leishmaniasis
(iii) Integrated Vector Management (IVM)
(iv) Sleeping sickness