

**B.Sc. (part – I) (Semester – II) (NEP) Examination, March/April- 2023**

**ZOOLOGY**

**Animal Diversity and Insect Vector (Paper – III)**

**Sub. Code: 90227**

**Day and Date: Friday, 11/10/2023**

**Total marks: 40**

**Time: 10:30 am to 12:30 pm**

Instructions: 1) All questions are compulsory.

2) Draw neat and labeled diagrams wherever necessary.

3) Figures to right indicate full marks.

**Q.1) Choose the correct alternative from the following.**

**[8]**

1. Which of the following human disease is transmitted from the vector *Anopheles* mosquito?

- A) Dengue                      B) Malaria  
C) Filaria                      D) Encephalitis

2. Which is the infective form of the malaria parasite?

- A) Oocyst                      B) Sporozoite  
C) Bradyzoite                      D) Tachyzoite

3. Malaria is caused by

- A) *Entamoeba histolytica*                      B) *Leishmania*  
C) *Clostridium*                      D) *Plasmodium*

4. The germ plasmodium was discovered by

- A) Sir Roland Ross                      B) Golgi  
C) Charles Laveran                      D) Patric Manson

5. Which of the following is responsible for the spread of dengue?

- A) *Anopheles* mosquito                      B) *Culex* mosquito  
C) *Aedes* mosquito                      D) Housefly.

6. Rat belongs to class.....

- A) Insecta                      B) Aves  
C) Reptiles                      D) Mammalia.

7. Plague is caused by which bacteria?

A) Clostridium B) Mycobacteria C) Yersinia Pestis D) None of the above

8. Myiasis diseases are caused by .....

A) Caterpillar B) Mosquito

C) Mycobacteria D) Housefly.

**Q.2) Attempt any two:**

**[16]**

A) Describe the digestive system of rat.

B) Give an account on causal organism, life cycle and symptoms of malaria.

C) Give an account on causal organism, life cycle and symptoms of Plague.

**Q.3) Attempt any four:**

**[16]**

A) Control measure of Mosquitoes.

B) Morphological characters of Rat.

C) Typhus fever.

D) Control measure of Housefly.

E) Symptoms of Myiasis.

F) Chikungunya symptoms.