

Q.P. Code – 42443

Fourth Semester B.Sc. Degree Examination, September 2020

(CBCS Scheme)

Zoology

Paper IV – INSECT VECTORS AND DISEASES

Time : 3 Hours]

[Max. Marks : 90

Instructions to Candidates : Draw labelled diagrams wherever necessary.

PART – A

I. Answer any **TEN** of the following :

(10 × 2 = 20)

1. Name the type of mouth parts present in Housefly and Cockroach.
2. What are biological vectors? Give an example.
3. Mention the orders of Apterygota.
4. Name the pathogen and vector of Filariasis.
5. Mention the different species of Mosquitoes.
6. Name the Vector and Pathogen of Malaria.
7. List the control measures of Sandfly.
8. Mention the symptoms of Dengue.
9. Name the causative agent and vector of Visceral Leishmaniasis.
10. Justify Flea as an important insect vector.
11. List the differences between Head louse and Body louse.
12. Name the diseases caused by Hemipterans.

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PART – B

- II. Answer any **SIX** of the following : **(6 × 5 = 30)**
13. With a neat labelled diagram explain the mouth parts of Butterfly.
 14. Write a note on Host-Vector relationship.
 15. Mention the detailed features of Insects.
 16. Name the vector, causative agent and preventive measures of Chikungunya.
 17. List the control measures of Mosquitoes.
 18. Mention the prevention and control measures of Cutaneous Leishmaniasis.
 19. Name the causative agent, symptoms and preventive measures of Plague.
 20. Briefly explain Typhus fever.

PART – C

- III. Answer any **FOUR** of the following : **(4 × 10 = 40)**
21. With a neat labelled diagram describe the mouthparts of male and female mosquito.
 22. Write notes on :
 - (a) Host specificity
 - (b) Relapsing fever
 23. List the characters of Exopterygota. Mention any five orders with examples.
 24. Write notes on :
 - (a) Dipterans as important insect vectors
 - (b) Phlebotomus fever
 25. Justify House fly as important mechanical vector. Mention its control measures.
 26. Write notes on :
 - (a) Flea control measures
 - (b) Chagas disease