Date: 08-11-2017   Dept. No.   Max. : 100 Marks
Time: 01:00-04:00

PART – A

Answer ALL questions, each in a few words   10 × 2 = 20 marks

01. Mention any four characteristic features of insect morphology.

02. Give an example for each of the following insect orders: (i) Thysanura; (ii) Diptera;

   (iii) Isoptera; (iv) Hymenoptera

03. What is the main behavioural difference between grasshoppers and locusts?

04. What are scavenger insects?

05. Name the insect vectors of the following diseases: (i) dengue; (ii) malaria; (iii) Leishmaniasis;

   (iv) elephantiasis

06. Write the scientific name of (i) Human head louse, (ii) Common cockroach, (iii) Bed bug, and

   (iv) Silverfish.

07. Mention any four species of silkworms.

08. What are the uses of beeswax?

09. What are pheromone traps?

10. Expand the following: (i) DDT; (ii) IPM; (iii) TNAU; (iv) FAO.

PART B

Answer any FOUR questions, each in about two pages   4 × 10 = 40 marks

11. Explain biological control of insect pests with suitable examples.

12. Mention any four insect pests of Rice and describe their control measures.

13. Describe the biology, economic importance and control measures of stable fly and shaft louse.

14. Write a brief account of the pests of honey bee.

15. Discuss briefly why insects become pests.

16. Write brief notes on: (i) *Aedes aegypti*; and (ii) Newton's bee hive

PART C

Answer any TWO questions, each in about 4 pages   2 × 20 = 40 marks

17. Give an account of the major insect pests of stored products and their control.

18. Write an essay on chemical insecticides.

19. Write an essay on sericulture.

20. Write explanatory notes on: (i) Integrated Pest Management; (ii) Methods of insect collection;

   (iii) Locust control; (iv) Difference between Hemimetabola and Holometabola.

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