

ENTO-232

COLLECTED FROM PREVIOUS YEAR QUESTION PAPER BY, MISS. RAKSHA ANIL HINGANKAR.

Section A

1) Define insect ecology. Explain effect of temperature on insect population. OR

Explain effect of biotic factors on insects with suitable examples.

2) Enlist causes of insect pest outbreak and describe any two.

3) Describe in brief cultural method of pest management with suitable examples.

4) Classify insecticides on the basis of chemical nature by giving single example of each group.

5) Enlist the categories of pest and describe any two.

6) Enlist the characteristics of an ideal parasitoid.

7) Define insecticide formulation. Enlist its types and describe EC formulation.

8) State first-aid treatments used in early stages of insecticide poisoning cases.

9) Define IPM. Enlist its tools and describe importance of IPM.

OR Define IPM. Enlist its tools and describe scope and importance of Integrated Pest Management.

10) Define Pest. Enlist different methods of pest control and explain mechanical methods with suitable examples.

11) Define Microbial control. Explain role of micro-organisms in

pest management with example.

12) Define insecticide. Classify insecticides on the basis of mode of entry with suitable example.

13) Define adjuvant. Explain the necessity of insecticide formulation.

14) Enlist different application techniques of insecticides and describe any one.

15) What is pest outbreak? Describe the factors responsible for outbreak of insect pest in nature.

Que.16) Write short notes on:

- a) Pest Surveillance and Forecasting
- b) Balance of Nature. OR Concept of balance of life.
- c) Insecticide Act, 1968
- d) Environment and its components
- e) Mechanism of host plant resistance.

SECTION B

Que.1) Define the following terms:

- | | |
|-------------------|---------------------|
| 1) Habitat | 5) LC_{50} |
| 2) Repellant | 6) ETL |
| 3) Antidote | 7) Adjuvants |
| 4) Phyto-toxicity | 8) Hyper parasitism |

Que. 2) Match the following terms:

- | | |
|-------|--------------------|
| 1) Bt | 2) Genetic Control |
|-------|--------------------|

3) Yellow stick trap

4) *Copidosoma koehleri*

a) White fly

b) Potato tuber moth

c) *E.F. Kinpppling*

d) Stomach poison

Que.3) Do as directed:

- 1) Sun drying of grains is _____method of pest management. (Fill in the blanks)
- 2) The 'Insecticide Act' passed in the year 1968 in India. (State true or false).
- 3) Bagging of fruits is (mechanical/physical/cultural) method of pest management. (Select appropriate word)
- 4) State the function of nozzle.

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