

M.Sc. / II

AGROCHEMICALS AND PEST MANAGEMENT
Paper XII
(Economic Entomology)

J

Time 3 hours

Maximum Marks 38

(Write your Roll No on the top immediately on receipt of this question paper)
Answer five questions in all including Question No 1 which is compulsory

- 1 (A) Differentiate between
(i) allomone and kairomone 2
(ii) pest spectrum and pest complex
- (B) Explain the following 2
(i) Pest resurgence
(ii) Secondary pest outbreak
- (C) Discuss damage caused by 3
(i) *Tryporhyza nivella*
(ii) *Leptocorisa acuta*
- (D) Give scientific name common name and most preferred host plant of the 3
following insect pests
(i) Red hairy caterpillar
(ii) Brown plant hopper
(iii) Spotted bollworm
- 2 Give scientific name, common name and taxonomic position of four important 7
pests of cucurbitaceous plants Discuss life history, damage and management
practices of *Bactrocera cucurbitae*
- 3 Give an account of establishment of insect population on a plant surface 7
- 4 Name and classify five important pests of cotton Discuss biology, damage 7
and management practices of any one of them
- 5 What are the different communicable diseases caused by lice? Explain the 7
occurrence of such diseases and their control measures
6. Give scientific name, common name and taxonomic of five important pests 7
of fruit crops Discuss life cycle, damage and management practices of any
one of them
- 7 Write short notes on the following 7
(i) Semiochemicals
(ii) Yellow fever
(iii) Myiasis