

M.Sc. (Ag.) Examination, 2018
Semester-II
Agricultural Entomology
Course- AEN-505
(Pests of Field Crop and their Management)

Time: Three Hours

Full Marks: 50

Questions are of value as indicated in the margin

Answer **any five** questions

1. Enumerate the pests of rice with their taxonomic position. Give an account of seasonal incidence and nature and symptoms of damage of four pests two each from orders Lepidoptera and Hemiptera. Suggest suitable eco-friendly management practices against these pests. 2+6+2=10
 2. Enlist the pests of jute with taxonomic position. Write nature and symptoms of damage and life-history of jute semilooper and jute apion. Suggest management practices against pest complex of jute. 2+6+2=10
 3. Write the difference in nature and symptoms of damages done by various pests of mustard. Give an account of life-history of any three major pests. Suggest control measures against pests of mustard. 3+4.5+2.5=10
 4. (a) Mention the pests infesting pulse crops with taxonomic position. Write symptoms of damage caused by three major pests. 2+3=5
(b) Give an account of damages done by boll worms of cotton with their management practices. 3+2=5
 5. (a) Enumerate the pests of maize. Write nature and symptoms of damage, life-history and management of maize stem borer. 2+3=5
(b) Write symptoms of damage and control of pink stem borer and termite infesting wheat. 2.5+2.5=5
 6. Write short notes on **any four** of the following: 4×2.5=10
 - (a) Linseed gall midge
 - (b) Red hairy caterpillar
 - (c) Sugarcane leaf hopper
 - (d) Red cotton bug
 - (e) Sesame gall fly
 - (f) Castor capsule borer
 7. Answer in brief: 4×2.5=10
 - (a) Role of earthing up in sugarcane pest
 - (b) Light trap in rice field
 - (c) Biological control of cotton pests
 - (d) Pests of sunflower
 8. Write notes on: 5×2=10
 - (a) Borer complex of sugarcane and its AESA based management
 - (b) Management of pulse pests
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