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B. Sc. Agriculture, Semester – 5th
PESTS OF CROPS AND STORED GRAINS AND THEIR MANAGEMENT
Subject Code: BAGRS1-553
Paper ID: 19130145

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a. Enlist any four major insect arthropods pest.
- b. Bt cotton
- c. Scientific name and nature of damage of top borer of sugarcane
- d. Which insecticides are recommended to control the stem borer of rice?
- e. Army worm is major pest of which crop and their management?
- f. Enlist major pest of mustard crop with scientific name
- g. White grub is major pest of which crop and their control?
- h. How much moisture content is recommended for storage of food grain crops?
- i. Caterpillar
- j. Measures for rodents control in stored grain.

Section – B

(5 marks each)

- Q2. Write the scientific name, order, family and control of Gurdaspur borer of sugarcane.
- Q3. Enlist major insect pest of rice and also write the control measures of rice leaf folder.
- Q4. Write the scientific name, order, family, host and control practice of chilli thrips.
- Q5. Discuss about nature of damage of mango mealy bug and banana weevil.
- Q6. Write a short note on microorganisms associated with stored grain.

Section – C

(10 marks each)

- Q7. Enlist major insect of cotton and tobacco. Write the scientific name, order, family, host, distribution and control practice of spotted bollworm, pink boll worm and american bollworm.
- Q8. Explain the different factors affecting losses of stored grain and discuss the role of different factors which affect the deterioration of grain.
- Q9. What are basic principles of grain store management? And also discuss about the storage structure and methods of grain storage in details.