MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	: V (New)	Term	: First	Academic Year	: 2022-23
Course No.	: ENTO 354	Title	: Pests of Crops and Stored Grain and their Management-I		
Credits	: 2(1+1)				
Day & Date	: Tuesday, 07.02.2023	Time	: 14:00 to 16:00 hrs.	Total Marks	: 40

Note : 1. Solve ANY EIGHT questions from SECTION 'A'.
2. All questions from SECTION 'B' are compulsory.
3. All questions carry equal marks.
4. Draw neat diagram wherever necessary.

SECTION 'A'

Q.1 Give the scientific name, typical damage symptoms and management practices for soybean girdle beetle and soybean stem fly.

Q.2 Enlist the major insect pests of stored grains and describe any one preventive and curative management practice.

Q.3 Write short notes on (Any Two):

a) Sugarcane top shoot borer b) Sugarcane woolly aphids c) Termites in sugarcane

Q.4 Enlist the major insect pests associated with cotton. Write in brief the nature of damage and management practices for cotton pink bollworm.

Q.5 Enlist the pests of sorghum with scientific names. Give the nature of damage and management practices of sorghum midge fly.

Q.6 Write in brief about (Any Two):

a) Rice gall midge b) Yellow stem borer of rice c) Brown plant hopper

Q.7 Give a brief account about site of oviposition, nature of damage and management practices for sesame gall fly and semilooper on sunflower.

Q.8 Enlist the major pests of pigeon pea with scientific names. Write in brief the nature of damage and management practices for pod fly.

Q.9 Write in brief with emphasis on the scientific name, order, damaging stage and nature of damage of rice weevil and pulse beetle.

Q.10 What are the management practices for rodents? Describe in brief any two.

SECTION 'B'

Q.11 Give the damaging stages of the following pests:

1) Thrips in cotton 2) Sorghum shoot fly 3) White fly 4) Red hairy caterpillar

Q.12 Do as directed :

1) Name the vector of pigeon pea sterility mosaic.

2) Mention the lure used for monitoring of American bollworm.

3) Name the vector for Tungro disease of rice.

4) _____ is also known as Cotton stainer. (Fill in the blank)

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