MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hons.) Agriculture

Semester	: **V (New)**	**Term**	: **I**	**Academic Year**	: **2019-20**
Course No.	: ENTO 354	**Title**	: **Pests of Crops and Stored Grain and Their Management-I**		
Credits	: 2 (1+1)				
Day & Date	: Saturday, 09.11.2019	**Time**	: 14.00 to 16.00	**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 diagrams wherever necessary.

SECTION "A"

Q.1 Give the scientific name, typical damage symptoms and describe the management practices for brown plant hopper and yellow stem borer of rice.

Q.2 Enlist the major pests of pigeonpea pod borer complex with scientific names. Mention the nature of damage and management practices for pod fly.

Q.3 Mention the major pests associated with bollworm complex of cotton. Describe the nature of damage and management practices for cotton pink bollworm.

Q.4 Give the scientific name, host, typical damage symptoms and management practices for sugarcane top shoot borer.

Q.5 Write short notes. (Any Two)

a) Sorghum shoot fly b) Maize stem borer c) Bajra blister beetle

Q.6 Enlist the management practices for rodents and describe any two measures.

Q.7 Write in brief about the scientific name, host and nature of damage (Any Two) :

a) Pulse beetle b) Rice moth c) Khapara beetle

Q.8 Enlist the preventive and curative measures for the management of stored grain pests. Describe any one preventive and curative measure.

Q.9 Give a brief account about site of oviposition, nature of damage and management practices for groundnut white grub and Tobacco leaf eating caterpillar.

Q.10 Write in brief about (Any Two) :

a) Safflower aphid b) Linseed gall fly c) Soybean girdle beetle

SECTION "B"

Q.11 Give the damaging stage/stages of the following pests

1) Chickpea cutworm 2) Wheat termites
3) Groundnut leaf miner 4) Sugarcane pyrilla

Q.12 Do as directed.

1) Name the vector of soybean mosaic disease.
2) The silver shoots in paddy are caused by _____.
3) Name the vector of pigeonpea sterility mosaic.
4) Mention the commercially available broad spectrum molluscicide.

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