MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester	: V (New)				
Course No.	: ENTO 353	**Term**	: I	**Academic Year**	: 2015-16
Credits	: 3(2+1)	**Title**	: Crop Pests and Stored Grain Pests and their Management		
Day & Date	: Saturday, 17.10.2015	**Time**	: 14.00 to 17.00	**Total Marks**	: 80

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 in detail the nature of damage of following pests.
a) Yellow rice stem borer
b) Gram pod borer
c) Pollu beetle
d) Citrus psylla

Q.2 Suggest suitable control measures for the following pests.
a) White grub
b) Root and stem borer of cashew
c) Tomato fruit borer
d) Fruit sucking moth

Q.3 Enlist four important pests of sugarcane along with scientific names and give in detail about nature of damage and management practices for top shoot borer.

Q.4 a) Give brief account on nature of damage and management practices for the termites.
b) Describe the management practices for rodents.

Q.5 Describe in detail the nature of damage caused by rice weevil and pulse beetle. Suggest suitable control measures for stored grain pests.

Q.6 Enlist four important pests of mango along with scientific names and give in detail about nature of damage and management practices for fruit fly.

Q.7 Give brief account on nature of damage and management practices for the following pests of coconut.
a) Red palm weevil
b) Eriophyid mite

Q.8 Write short notes on (Any two).
1) Rhizome fly
2) Mustard sawfly
3) Blister beetle

Q.9 Give brief account on nature of damage of pink bollworm and management practices for boll worm complex in cotton.

Q.10 Give scientific name, host plant, nature of damage and management for okra shoot borer and fruit borer and pumpkin beetle.

(P.T.O.)

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SECTION "B"

Q.11 A) State site of oviposition for the following.

1) Cotton jassids

2) Rhinocerous beetle

3) Red gram pod fly

4) Potato tuber moth

B) State site of pupation for the following.

1) Sweet potato weevil

2) Mango stone weevil

3) Fruit fly

4) Fruit sucking moth

Q.12 A) State the name of the vectors along with their scientific name.

1) Bunchy top of banana.

2) Tungro disease of rice.

3) Pigeon pea sterility mosaic virus.

4) Leaf curl in tomato.

B) Answer the question in one sentence.

1) State the nymphal parasitoid of sugarcane pyrilla.

2) State the adult host plants for white grub.

3) Which pest is called as cotton stainer?

4) Give the name of the egg parasitoid of yellow rice stem borer.

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