MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester	: V (New)	**Term**	: I	**Academic Year**	: 2017-18
Course No.	: ENTO 353	**Title**	: Crop Pests and Stored Grain Pests and their Management		
Credits	: 3(2+1)				
Day & Date	: Monday, 20.11.2017	**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 Enlist four major pests of Mango with scientific names and describe nature of damage and suggest control measures for Mango Mealy bug.

Q.2 Explain in detail Bollworm complex of Cotton and their management practices.

Q.3 Write the scientific name of sorghum shoot fly, grape udadya beetle and describe their nature of damage and management practices.

Q.4 Write in detail nature of damage and management practices of pod borer complex on Pigeon pea.

Q.5 Enlist preventive measures recommended against stored grain pests and describe in detail any three of them.

Q.6 Write short notes (Any Two).

a) White grub

b) Anar caterpillar

c) Chilli thrips

d) Sugarcane pyrilla

Q.7 Write the scientific name, nature of damage and management practices of Brown plant hopper and Yellow stem borer of rice.

Q.8 List out four important pest of Citrus along with their scientific name and explain nature of damage and management practices for Fruit sucking moth.

Q.9 Enlist four insect pests of Brinjal and explain in detail nature of damage and management practices of *Leucinodes orbonalis*.

Q.10 Explain the nature of damage and management practices of Rhinoceros beetle and termite.

(P.T.O.)

agromind.in

Scanned by CamScanner

Telegram - AgroMind

SECTION "B"

Q.11 Answer in one sentence.

1) Write the name of insect pest which causes silvery shoots in paddy.
2) Give the site of oviposition of sesamum hawk moth.
3) Write the name of insect pest which causes white patches of onion leaves.
4) Give the site of oviposition of Black headed caterpillar.
5) Write one cultural control measure for management of White grub.
6) Give the name of pest causes drooping and drying of shoot in cotton.
7) Write the site of oviposition of Grasshopper.
8) Write the name of insect pest causes glistering zigzag tunnels on citrus leaves.

Q.12 a) Match the following pairs.

"A"	"B"
1) Chrysanthemum aphid	a) Banana bunchy top
2) *Pentalonia nigronervosa*	b) Polyphagus pest
3) *Helicoverpa armigera*	c) Bio-pesticide
4) *Metarrhizium anisopliae*	d) Aspermy virus disease

b) State the name of damaging stage.

1) Lemon Butterfly
2) Cucurbit fruit fly
3) Rice hispa
4) Tea mosquito

✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧

agromind.in

Scanned by CamScanner

Telegram - AgroMind