Seat No:	Enrollment No:

PARUL UNIVERSITY

COLLEGE OF AGRICULTURE

B.Sc. (Hons.) Agriculture Summer 2018-19 Examination

Semester: 5 Date: 20/04/2019

Subject Code: 20104301 Time: 02:00 pm to 04:30 pm

Subject Name: Crop pests and stored grain pests and their management **Total Marks: 60**

Instructions

- 1. All questions are compulsory.
- 2. Figures to the right indicate full marks.
- 3. Make suitable assumptions wherever necessary.
- 4. S

ill in the blanks. (Each of 1.00 marks	s)
1is the m	inute stored grain insect pest.
2is the pol	yphagous pest and feed voraciously on all types of crops.
3 parasitizes la	vae of Corcyra cephalonica.
4 is th	e scientific name of Khapra beetle.
5vir	us transmits by green leaf hopper.
5 is the	e damaging stage of pulse beetle.
7. Lesser grain borer classified under _	category.
3. Epiricania melanoleuca is an impor	tant parasitoid of
2tablets of Aluminum	
10. Honey dew secretion by	
Solution Tultiple choice type questions. (Each	
Scientific name of Red rust flour bed	etle
a) Rhyzopertha dominica	c) Trogoderma granarium d) Lasioderma serricorne
Damaging stage of Indian meal moth	
a) Larvae	c) Adult
b) Pupae	d) None of above
Fumigants used for stored grain pests	
a) Aluminium phosphide	c) Both a and b
b) Ethylene Dibromide	d) Zinc Phosphide
Grassy stunt virus disease transmit by	
a) Green leaf hopper	c) Brown plant hopper
b) White backed plant hopper	d) None of above
Notching of leaf margins by adults of	
a) Hadda beetle	c) Stone weevil
b) Ash weevil	d) Gundhi bug
	reported from Karnataka is
a) Spodoptera frugiperda	c) <i>Spodoptera litura</i> d) None of above
Scientific name of Brinjal fruit and sh	
a) Eublemma olivacea	c) Epilachna duodecastigma
b) Leucinodes orbonalis	d) Amrasca biguttula
	rmation of a tube like gall that is similar to "onion leaf" or
"Silver-shoot".	\ D
a) Nymphula depunctalis	c) Pelopidas mathias
b) Orseolia oryzae	d) Scirpophaga incertulas
Pigeon pea sterility mosaic virus dise	
a) Aphid	c) Whitefly
b) Eriophid mite	d) Jassid
0. Scientific name of Painted bug	
a) Bagrada hilaris	c) Pelopidas mathias
b) Psalis pennatula	d) Hieroglyphus banian

Q.2	Do as Directed.	
A	. Define the following. (Any five)	(05)
	1. Hopper burn	
	2. Pest outbreak	
	3. Polyphagous pest	
	4. Hot spot	
	5. External feeders	
	6. Primary pests	
	7. Pygidium	
В	. Answer the following. (Any Five)	(05)
	1. Any two reference books of crop pests and stored grain pests and their management	` /
	2. Difference between primary pests and secondary pests	
	3. Difference between dry grain heating and wet grain heating	
	4. Advantages and disadvantages of earthen pots	
	5. Give names of three monophagous pests of fruit crops	
	6. Give any five primary stored grain pests names.	
	7. Difference between rice moth and rice weevil	
Q.3	Write short notes. (Any five)	(15)
•	1. Traditional storage structures	` /
	2. Nature of damage of lesser grain borer and rice weevil	
	3. Nature of damage of cotton pink bollworm and American boll worm	
	4. Nature of damage of mustard sawfly and sorghum shoot fly	
	5. Factors affecting stored grain insect damage	
	6. Nature of damage of rice brown plant hopper and castor semilooper	
0.4	Attempt any Three/Long Questions/Example	(15)
•	1. Management/ control measures of stored grain pests	()
	2. State practicable components of Integrated Pest Management of important pests of rice and	
	sorghum	
	3. State practicable components of Integrated Pest Management of important pests of cotton and brinial	

4. State practicable components of Integrated Pest Management of important pests of groundnut

and redgram