PARUL UNIVERSITY

Enrollment No:_____

COLLEGE OF AGRICULTURE

B.Sc. (Hons.) Agriculture Winter 2018 Examination

	ure Winter 2018 Examination	
Semester: 5 Subject Code: 2010/201		Date: 24/10/2018
Subject Code: 20104301 Subject Name: Coop pages and stand grain pages and	d their monogenerat	Time: 02:00 pm to 04:30 pm
Subject Name: Crop pests and stored grain pests an	id 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. Start new question on new page.		
0.1 De es Diverte d		
Q.1 Do as Directed. A. Fill in the blanks. (Each of 1.00 marks)		(1
	and anoin incast next	(1
1	ored grain insect pest.	on all types of arons
		on an types of crops.
3 parasitizes larvae of 0	Corcyra cephalonica.	
4 is the scient	mic name of Knapra beetle.	
5andvirus trans	inits by green leaf hopper.	
6is the damag	ing stage of pulse beetle.	
7. Lesser grain borer classified under	category.	
8. <i>Epiricania melanoleuca</i> is an important par		
9tablets of Aluminum phosph		
10. Honey dew secretion by	structure of aphid.	
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B. Multiple choice type questions. (Each of 1.00		(1
1. Scientific name of Red rust flour beetle		
a) <i>Rhyzopertha dominica</i>	c) Trogoderma granari	
b) Tribolium castaneum	d) Lasioderma serricor	ne
2. Damaging stage of Indian meal moth is		
a) Larvae	c) Adult	
b) Pupae	d) None of above	
3. Fumigants used for stored grain pests		
a) Aluminium phosphide	c) Both a and b	
b) Ethylene Dibromide	d) Zinc Phosphide	
4. Grassy stunt virus disease transmit by		
a) Green leaf hopper	c) Brown plant hopper	
b) White backed plant hopper	d) None of above	
5. Notching of leaf margins by adults of		
a) Hadda beetle	c) Stone weevil	
b) Ash weevil	d) Gundhi bug	
6. New emerging invasive pest recently reported	ed from Karnataka is	
a) Spodoptera frugiperda	c) Spodoptera litura	
b) Spodoptera exigua	d) None of above	
7. Scientific name of Brinjal fruit and shoot bore		
a) Eublemma olivacea	c) Epilachna duodecast	igma
b) Leucinodes orbonalis	d) Amrasca biguttula	
8 causing formation	of a tube like gall that is sim	ilar to "onion leaf" or
"Silver-shoot".	-	
a) Nymphula depunctalis	c) Pelopidas mathias	
b) Orseolia oryzae	d) Scirpophaga incertu	las
9. Pigeon pea sterility mosaic virus disease trans	smits by	
a) Aphid	c) Whitefly	
b) Eriophid mite	d) Jassid	
10. Scientific name of Painted bug	<i>`</i>	
a) Bagrada hilaris	c) Pelopidas mathias	
b) Psalis pennatula	d) Hieroglyphus banian	
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Q.2 Do as Directed.

- 1. Hopper burn
- 2. Pest outbreak
- 3. Polyphagous pest
- 4. Hot spot
- 5. External feeders
- 6. Primary pests
- 7. Pygidium

B. Answer the following. (Any Five)

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)

- 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

Q.4 Attempt any Three/Long Questions/Example

- 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 brinjal
- 4. State practicable components of Integrated Pest Management of important pests of groundnut and redgram

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