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Enrollment No:

PARUL UNIVERSITY

COLLEGE OF AGRICULTURE

B.Sc.(Hons.) Agriculture Summer 2021 - 22 Examination

Semester: 5 Date: 1-04-2022

Subject Code:20104302 Time: 10:30am To 1:00pm

Subject Name:Pests of crops and stored grain and their management

Total Marks: 50

S

- 1. All questions are compulsory.
- 2. Figures to the right indicate full marks.

b)Internode borer

- 3. Make suitable assumptions wherever necessary.
- 4. Start new question on new page.

Fill in the blanks. (Each of 0.5 mark) 1 coleopteran pe	est feeds voraciously on flowers and pods of pulses while	(
the grubs are predators.		
	ped by placing chopped pseudostems.	
2weevils can be trapp3tablets of Aluminum p	hosphide used per ton of grains	
4. Stage of rice at which the gundhi bug f	eeds is	
5. Bunchy top in sugarcane is caused by_	-	
6is a monophagous p	est on mango	
7 trap used for att	ract the fruit fly	
8. Larvae make mine on leaves and dryir of9. Flaring of squares is due to	ng and dropping of leaves is seen due to severe infestation	
9. Flaring of squares is due to		
10. Yellow vein mosaic virus is transmitte	ed by	
Multiple choice type questions. (Each of	(20.5 mark)	(
1.Grassy stunt virus disease transmit by	·	
a) Green leaf hopper	c) Brown plant hopper	
b) White backed plant hopper	d) None of above	
2. Pheromone trap to attract		
a) Female moth	c) Male moth	
b) whitefly	d) Butterfly	
3. The flowers do not open and give rosett	e appearance due to	
a) Spotted bollworm	c) Spiny boll worm	
b) Pink boll worm	c) Spiny boll worm d) American boll worm	
4. Destructive stage of pumpkin beetle is		
a) Grubs	c) Both grubs and adults	
b)Adults	d) Eggs	
	ation of a tube like gall that is similar to "onion leaf" or	
'Silver-shoot".		
	c)Pelopidas mathias	
a) Nymphuladepunctalis b) Orseoliaoryzae	d) Scirpophagaincertulas	
6. Pigeon pea sterility mosaic virus disease		
a) Aphid	c) Whitefly	
b) Eriophid mite	d) Jassid	
7. Passing of rope over the crop helps to m		
a) Yellow stem borer	c) Case worm	
b) Rice hispa	d) Leaf folder	
	grown up larva cuts the stem at collar region.	
a) Potato tuber moth	c) Shoot borer	
b) Potato cutworm	d) Tussock moth	
9. Citrus butterfly belongs to family	,	
a)Nymphalidae	c)Lycaenidae	
b)Papilionidae	d) None of the above	
10. Little leaf of brinjal disease transmitte		
a) Aphid	c) Leaf hopper	
b) whitefly	d) jassids	
•	ch can be easily pulled out is due to attack of following	
a)Early shoot borer	c)Root borer	

d)Top shoot borer

	12. NPV is used for control of which insect of the f	ollowing	,			
	a)Mealy bug		c)Gram caterpillar			
	b)Gall midge	d)Gandhi bug				
	13. Trichogrammachilonis is a	,				
	a)Pathogen	c) Predator				
	b)Nematode	d)Parasi	ito	id		
	14. Which of the following is rodenticides					
	a) Zinc phosphide	b)	I	Barium carbonate		
	c) Warfarin	d)	A	All the above		
	15. Order of mango stem borer					
	a) Lepidoptera c)Coleoptera					
	b)Diptera d)Hemiptera					
	16. The insect pest of the citrus where only the adul	lts are da	m	aging stage is		
	a) Lemon butterfly	c) fruit	su	cking moth		
	b) Cabbage butterfly	d) Blue	bı	ıtterfly		
	17. Presence of dead heart in early stage in sorghun	n indicate	es	the attack of		
	a)Sorghum shoot bug	c) Sorghum Shoot fly				
	b) Stem borer	d)Sorgh	ıuı	n ear head bug		
	18. Alternate wetting and drying is a good man	nagemen	ıt t	echnique for controlling		
	a)BPH	c)GLH				
	b)WBPH	d)White	efl	y		
	19. Saw toothed gain beetle is a					
	a) Secondary feeder	c) Prima	-			
	b) Mould feeder	d) All o	of t	he above		
	20. Dead heart in rice is due to					
	a)Grass hopper	c)Gall n				
	b)Stem borer	d)Gand	hi	bug		
-	Do as Directed.				(O.=)	
Α.	Define the following. (Any five out of seven)				(05)	
	1. Predator					
	2. Pests					
	3. Insect vectors4.External feeders					
	5.Secondary pests					
	6. Parasitoid					
	7. Trap Crop					
R	Answer the following. (Any five out of seven)				(05)	
ъ.	1. Write the symptom of rice gundhi bug.				(05)	
	2. Mention any three important pest of mango.					
	3. Write down the scientific name of five major pe		ıci	fers		
	4. Enlist the external and internal feeders of storag					
	5. Write about the damage symptoms of white gru		ınd	nut		
	6. Write any two names of rodenticides	6				
	7. Write any two names of predator					
Q.3	Write short notes. (Anyfive out of six)				(10)	
_	1. What are the causes of rice brown plant hopper outbreak?					
	2. Discuss in brief about management of mango m	ealy bug				
	3. Specific management practices for gram pod	l borer, <i>I</i>	Не	licoverpaarmigera.		
	4. Write in briefdamaging symptom of mango	leafhopp	pe	r.		
	5.Explain in brief nature of damage and manage	gement c	of	Green leaf hopper.		
	6. Write in briefdamaging symptom of Diamor					
Q.4	Long Questions/Example (Attempt any three ou				(15)	
	1. Enlist the insect pests of Rice. Describe nature of			and management of Yellow Stem		
	Borer.	9		-		
	2. Discuss in detail about the management of store	d grain i	nse	ect pests.		
	3. Enlist the insect pests of sugarcane. Describe na	ture of da	an	nage and management of Early shoot		
	borer.			-		
	4. Enlist major pests of infesting cotton and de	escribe II	PΝ	1 schedule		