

The Islamia University of Bahawalpur

University College of agriculture and environmental Sciences

Department of Entomology

Final term	Applied Entomology	Exam
Max Marks	ENT-401	20
Time allowed	Theory	1.5 hour

Note: Solve all questions on answer sheet including Question no. 1

Q1. Fill in the blanks with appropriate words (0.25×12= 3.0 Marks)

1. is technical name of sugarcane black bug
2. is technical name of citrus leaf minor
3. is technical name of mango hopper
4. is technical name of cabbage butterfly
5. is pest of stored potato
6. creates noise at night by chirping
7. bee is mostly used in apiculture industry
8. Silk is obtained by boiling of of silk worm
9.are legless larvae of dipterans
10. Pupae of fruit flies are present in
11. Khapra beetles arefeeders
12.have a pair of cornicles on dorsum of abdomen

Q2. Give identification, life history and damage by rice leaf folder and rice hispa (6.0)

Q3. Describe different types of egg laying habits in insects (2.0)

Q4. Identify following damages types caused by which insects and explain nature of damages

- a. Hopper burn b. Dead hearts c. sooty mold (6.0)

Q5. Which storage insect pests are internal feeders and which are external feeders? Explain? (3.0)

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Max Marks	ENT-401	16
Time allowed	Practical	30 Minutes

Q No 1. Describe control measures for any of three pest insects (06)

- a. Fruit flies b. Sugar cane borers c. Brown plant hopper d. Storage insect pests

Q No 2. Give identification of following crops pests (02)

- a. Top borer of sugar cane b. Red pumpkin beetle

Q No 3. What do you know about the following? (04)

- a. *Bombyx mori* b. *Laccifer lacca*

Q No 4. Assignment/Panaflex (04)