

ECONOMIC ENTOMOLOGY AND PEST MANAGEMENT (ii) – 303.

Time Allowed : 3 Hours]

[Maximum Marks : 50

Note : The candidates are required to attempt two questions each from Sections A and B carrying 7½ marks each and the entire Section C consisting of 10 short answer type questions carrying 2 marks each.

Section - A

1. Explain the life cycle and nature of damage caused by Wheat stem borer (*Sesamia inferens*). 7½
2. Write systematic position and habits of :
 - (a) Rice Gundhy bug
 - (b) Sugarcane leaf hopper. 4+3½=7½
3. Explain the life cycle, habits and nature of damage of Pulse beetle. (*Callosobruchus maculatus*). 7½
4. Write systematic position and disease :
 - (a) Horse fly
 - (b) Warble fly
 - (c) Blow fly. 2½×3=7½

Section - B

5. Explain the processing of silk in Sericulture industry. 7½
6. Explain the appliances used in Bee-keeping. 7½
7. Write a note on Carbamate Pesticides. 7½
8. Explain the insecticides of Plant origin. 7½

Section - C

9. Write brief answers :
 1. Write systematic position of Sugarcane top borer.
 2. What are the perspectives of IPM ?
 3. What is Propolis ?
 4. What damage is caused by Rice Weevil ?
 5. Name the diseases caused by *Aedes* and *Anopheles*.
 6. How Khapra beetle causes the damage to the stored grains?
 7. Give the tutility of Bee Venom.
 8. Mention the diseases encountered during Lac cultivation.
 9. Name any four Chlorinated hydrocarbon insecticides.
 10. Name the species of honey bee reared in Apiculture. 10×2=20