

**Ph.D. IN LIFE SCIENCES  
(PHDLS)**

00491 **Term-End Examination**

**December, 2017**

**RLSE-113 : INSECT PEST MANAGEMENT**

*Time : 3 hours*

*Maximum Marks : 100*

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**Note :** Attempt any **five** questions. All questions carry equal marks.

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1. Explain as to why insect pests are successful. 20
  
2. Describe any two stored grain pests and one forest pest and discuss the damage caused by each one of them. 10+10=20
  
3. Discuss the quantitative basis of pest management with reference to population estimates. 20
  
4. With the help of suitable examples, explain the concept of bio-pesticides in pest management. 2+18=20

5. Discuss the various methods of genetic control in pest management. 20
6. Describe the social, environmental and economic constraints of integrated pest management tactics. 20
7. Write short notes on the following : 2×10=20
- (a) Remote Sensing in Pest Management
  - (b) Insect Growth Regulators (IGRs)
  - (c) Legislation to Prevent the Introduction of Foreign Pests
  - (d) Strategies of IPM
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