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### SECTION-B

2. Define Host Plant resistance to insect, its major characteristics and use of HPR in pest management.
3. What is environmental resistance and discuss its types?
4. What are fumigants? Classify them into groups and quality of ideal fumigants?
5. Define Ecology and its importance in pest management.
6. What is biological control and discuss briefly major techniques of biological control?

### SECTION-C

7. What is pest outbreak and discuss in detail the causes of pest outbreak in agro-eco system?
8. What is IPM, outline its different components? What are the major constraints in IPM implementation? Outline the strategies for effective implementation of IPM?
9. Write short notes of the following topics :
  - a) Botanicals
  - b) Light activated pesticides
  - c) Microbial control
  - d) Insect resurgence
  - e) Organophosphates

**NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.**