

M.Sc.(Ag.) Semester – I Examination, 2014

Plant Protection

Course : PPT – 501 (Principles of Plant Protection)

Time: 3 Hours

Full Marks: 50

Questions are of value as indicated in the margin

Answer **any five** questions

1. Mention the importance of plant protection organizations in India. Briefly describe the role of two important plant protection organizations in India and international level.
5+5=10
2. Describe the different types of traps for monitoring and managing of insect. Write the role of remote sensing in monitoring of pests.
4+6=10
3. Classify the different formulations of pesticides. Write briefly on EC formulation.
7+3=10
4. Define crop loss. How quantification of crop loss is made? Write about the predictions of crop loss. Briefly describe the relationship between crop loss and disease intensity.
1+2+2+5=10
5. Write about the different kinds of sprayers and dusters in pest management. Describe the advantages and disadvantages of these equipments.
5+5=10
6. What is Pesticide Resistance? How does resistance develop? Write the strategies and tactics for management of pesticide resistance.
2+2+6=10
7. Discuss **any two**:
5×2=10
 - a) Pesticide Licensing
 - b) Pesticide mobility in plants
 - c) Phytotoxicity of pesticides and its minimizations
 - d) Agricultural Aviation
8. Write notes on (**any two**):
5×2=10
 - a) Entry of pesticide in ecosystem
 - b) Biotechnology in crop protection
 - c) Semiochemicals for insect pest management
 - d) Simulation modelling