

B.Sc.(Ag.) Honours Semester– VII Examination, 2014

Course No. : PPT –411 (Plant Protection)

(Old Syllabus)

Signature of Centre Superintendent

Roll No.: (in figure) _____ (in words) _____
Student Index No. _____ Regn. No. _____ of _____

Time : Two hours

Full marks : 50

Questions are of value as indicated in the margin

Part-I

(Objective and Short Answer Type)

(Use only ball point pen)

Time : 30 minutes

Full marks : 20

- Note:** 1. Answer in question paper itself.
2. Striking, rewriting and overwriting are not allowed in the objective type questions.

1. Fill in the blanks: (any five)

1×5=5

- (a) Late blight of potato can be assessed by _____ method.
- (b) A common practice to avoid development of resistance to pesticide is _____.
- (c) One of the liquid formulation of pesticides is _____.
- (d) _____ is an insect pest which can be effectively managed by using _____ as a biocontrol agent.
- (e) A disease which can be effectively managed by summer ploughing of soil is _____.
- (h) One of the important safety measures while spraying pesticides is _____.

2. Give examples of (any five):

1×5=5

- (a) The first fungicide formulated.
- (b) An insecticide with fumigant action.
- (c) A disease for which effective forecasting can be done.
- (d) A disease for which early sowing helps to avoid damage.
- (e) An insect pest for which quarantine measure is effective in management.
- (f) The nematode causing ufra disease of rice.

3. Write brief notes on: (any five)

2×5=10

- (a) Define pest and write its types

(b) Crop loss assessment

(c) Two Plant Protection organizations in India

(d) Surveillance of pests

(e) Define pesticides and write its types

(f) Therapy and its sub-types

(g) Biological methods of pest management

(h) Limitations of I.P.M.

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Part–II

(Descriptive Type)

Time : 1.5 Hours

Full marks : 30

Questions are of value as indicated in the margin.

Answer **any three** questions

4. (a) Write a note on development of Plant Protection in India. 3
(b) What are the objectives of crop loss and pest assessment. 3+4=7
 5. (a) Explain the process of registration of pesticides in India. 4
(b) Write notes on *any one* (i) environmental significance (ii) Liquid formulations (iii) resistance to pesticides. 6
 6. (a) Write notes on (i) exclusion (ii) avoidance and (iii) biological control with appropriate examples. 3×2=6
(b) Write two examples each of (i) cultural and (ii) biotechnological methods of pest management. 2×2=4
 7. (a) Define Integrated Pest Management and its phases. Give at least two examples for which IPM has been recommended. 7
(b) Write a note on decision making in pest management. 3
 8. (a) Write about the methods of management of nematodes. 5
(b) Write the symptoms of root knot of vegetables and ear cockle of wheat. 2.5×2=5
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