

APM-01

ASSIGNMENT BOOKLET

**Application Oriented Course
In
Integrated Pest Management
Bachelor's Degree Programme**

It is compulsory to submit the assignment before filling in the exam form.

(Valid from 1st January, 2013 to 31st December, 2013)



**SCHOOL OF SCIENCES
Indira Gandhi National Open University
Maidan Garhi
New Delhi – 110 068
(For January, 2013 Cycle)**

Dear Student,

We hope you are familiar with the system of evaluation to be followed for the Bachelor's Degree Programme. At this stage you may probably like to re-read the section on assignments in the Programme Guide for Elective Courses that we sent you after your enrolment. A weightage of 30 per cent, as you are aware, has been earmarked for continuous evaluation which would consist of **one tutor-marked assignment** for this course.

Instructions for Formatting Your Assignments

Before attempting the assignment please read the following instructions carefully.

- 1) On top of the first page of your TMA answer sheet, please write the details exactly in the following format:

ENROLMENT NO:

NAME:

ADDRESS:

.....

.....

COURSE CODE:

COURSE TITLE:

ASSIGNMENT NO.:

STUDY CENTRE: **DATE:**

.....

PLEASE FOLLOW THE ABOVE FORMAT STRICTLY TO FACILITATE EVALUATION AND TO AVOID DELAY.

- 2) Use only foolscap size writing paper (but not of very thin variety) for writing your answers.
- 3) Leave 4 cm margin on the left, top and bottom of your answer sheet.
- 4) Your answers should be precise.
- 5) While solving problems, clearly indicate the question number along with the part being solved. Be precise. Recheck your work before submitting it.
- 6) **It is compulsory to submit the assignment before filling in the examination form.**

Answer sheets received after the due date shall not be accepted.

We strongly feel that you should retain a copy of your assignment response to avoid any unforeseen situation and append, if possible, a photocopy of this booklet with your response.

We wish you good luck.

TUTOR MARKED ASSIGNMENT (TMA)

Course Code: APM-01
Assignment Code: APM-01/TMA/2013
Maximum Marks: 100

1. Complete the following table: (5×3=15)

Sl. No.	Name of the crop	Two major pests (Scientific names)	Damage caused by them
1.	Cotton		
2.	Sugarcane		
3.	Potato		
4.	Gram		
5.	Paddy		

2. Differentiate between the following: (10)
- a) Perennial and Severe pests
 - b) Occasional and Migrant pests
 - c) Economic Threshold (ET) and Economic Injury Level (EIL)
 - d) Adult *Anopheles* and Adult *Culex* mosquitoes
3. Comment on five major IPM Strategies. (10)
4. Why the adoption of IPM programmes is low and what measures can be taken to improve the adoption of IPM programmes? (10)
5. Write short notes on the following: (5×3)
- a) Antibiosis
 - b) Antifeedants
 - c) Resurgence and Replacement of pests
6. a) Why the importance of different tactics varies to manage different categories of pests? (5)
- b) Explain the different levels of IPM with suitable diagrams. (5)
- c) What are the steps involved in the development of an IPM programme? (5)
7. a) Explain the importance of farmer field schools. (4)
- b) What are the objectives of Plant Health Clinics? (4)
- c) Discuss the future strategies in promoting IPM. (7)
8. Name two examples each of (i) parasitoid (ii) predator (iii) NPV (iv) fungal and (v) Bt products commonly used in IPM. (10)