

ASSIGNMENT BOOKLET

APM-01

Bachelor's Degree Programme

**Application Oriented Course
in
INTEGRATED PEST MANAGEMENT**

(Valid from 1st January 2022 to 31st December, 2022)

**It is compulsory to submit the assignment before filling in the
Examination Form.**



**SCHOOL OF SCIENCES
Indira Gandhi National Open University
Maidan Garhi, New Delhi-110 068**

(2022)

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) **This assignment will remain valid for one year from January 1, 2022 to December 31, 2022.** However, you are advised to submit it within **12 weeks** of receiving this booklet to accomplish its purpose as a teaching-tool. Answer sheets received after the due date shall not be accepted.
- 7) **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.

ASSIGNMENT
(Tutor Marked Assignment)
INTEGRATED PEST MANAGEMENT

Course Code: APM-01
Assignment Code: APM-01/TMA/2022
Maximum Marks: 100

1. Define IPM. Discuss its major strategies and tactics. (10)
2. Describe the role of models and remote sensing in IPM. (10)
3. Explain mechanical and physical control methods of IPM. (10)
4. Why biological control is the major component of IPM? Explain its merits and demerits. (10)
5. Write short notes on the following : (10)
 - (a) Farmer Field Schools
 - (b) Plant Health Clinics
6. Why IPM is considered as a key component of sustainable agriculture? Discuss. (10)
7. Differentiate between the following: (10)
 - a) Acute toxicity and Chronic toxicity
 - b) Parasite and Parasitoid
 - c) Multi cropping and Inter cropping
 - d) Pest resurgence and Pest replacement
 - e) Direct pest and Indirect pest
8. Discuss the various strategies that can be adopted to promote Integrated pest management. (10)
9. Name **two** pests of each of the following crops and comment upon their nature of damage : (20)
 - (i) Paddy
 - (ii) Cotton
 - (iii) Bhindi (Okra)
 - (iv) Mango
 - (v) Sugarcane