

MAM-051

**Master of Business Administration (Agribusiness Management)
(MBAABM)**

**ASSIGNMENT
for
July 2025 Session**

MAM-051: FUNDAMENTALS OF AGRICULTURE



**School of Agriculture
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI – 110 068**

ASSIGNMENT

Course Code	: MAM-051
Course Title	: Fundamentals of Agriculture
Assignment Code	: MAM-051/JULY/2025
Coverage	: All Blocks

Note:

- Attempt any five questions and submit this assignment to the Coordinator of your study centre. Each answer may contain approx. 500 words.
- Evaluation of assignment follows letter grading system. Grade A, B, C, D, or E will be awarded in order of performance of learners based on highest (A grade) to lowest (E grade). For details go through the MBAABM programme guide.

- 1) Explain the various soil and water conservation measures adopted in agriculture for ensuring sustainable farming.
- 2) What is Participatory Irrigation Management (PIM)? Discuss its objectives, principles, and benefits in agricultural water use.
- 3) Describe the concept and components of Integrated Plant Nutrition Management (IPNM). How does it help in maintaining long-term soil fertility and productivity?
- 4) What are pest epidemics in agriculture? Explain the causes and effects of pesticide residues in crops, and their consequences on human health and the environment.
- 5) Explain the complete package of practices for rice cultivation including climatic requirements, land preparation, nutrient management, pest control, harvesting, and threshing.
- 6) Why is soybean known as the 'wonder crop'? Describe the climatic requirements and suitable growing conditions for soybean crop.
- 7) Explain the importance of Apiculture and Beekeeping as an enterprise. Discuss its role in crop pollination, rural livelihoods, and income generation.