

MAM-051

**Post Graduate Diploma in Agribusiness
(PGDAB)**

and

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

ASSIGNMENT

for

January 2026 and July 2026 Session

MAM-051: FUNDAMENTALS OF AGRICULTURE



**School of Agriculture
INDIRAGANDHINATIONAL OPEN UNIVERSITY MAIDAN
GARHI, NEW DELHI – 110 068**

ASSIGNMENT

CourseCode	: MAM-051
Course Title	: Fundamentals of Agriculture
Assignment Code	: MAM-051/2026
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 the assignment follows the 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.
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- 1) Explain the agricultural development in India before and after Independence, highlighting the major challenges and achievements.
 - 2) Discuss Integrated Plant Nutrition Management (IPNM). Describe its major components and discuss how IPNM helps in sustaining soil fertility and enhancing crop productivity over the long term.
 - 3) Describe various water conservation practices followed in agriculture. And explain how these measures contribute to sustainable farming and long-term resource management.
 - 4) Define Participatory Irrigation Management (PIM). Discuss its objectives, guiding principles, and advantages in the efficient use and management of agricultural water resources.
 - 5) What are pest epidemics in agriculture? Explain their effects on human health and the environment.
 - 6) Describe the complete package of practices for wheat cultivation, covering climatic requirements, land preparation, methods of sowing, nutrient management, cropping systems, pest and disease control, harvesting, and threshing operations.
 - 7) Discuss the importance of fruits, highlighting their nutritive value and health benefits.
 - 8) Explain the importance of apiculture and beekeeping as an agricultural enterprise, highlighting its role in crop pollination, rural livelihoods, and income generation.