

MAM-067

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

**ASSIGNMENT
for
January 2026 and July 2026 Session**

MAM-067: MANAGEMENT OF RENEWABLE ENERGY IN AGRICULTURE



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

ASSIGNMENT

CourseCode	: MAM-067
Course Title	: Management of Renewable Energy in Agriculture
Assignment Code	: MAM-067/2026
Coverage	: All Blocks

Note:

- Attempt any **FIVE** questions and submit this assignment to the Coordinator of your studycentre. 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) Describe renewable and non-renewable energy sources used in agriculture. Highlight their advantages and limitations.
 - 2) Explain the basic principles of solar thermal and solar photovoltaic technologies and examine their applications in agriculture, food processing, and rural development.
 - 3) Discuss the site analysis and selection criteria, energy conversion routes, and the role of utility intertie and off-grid systems in wind power generation. Also, examine the major technical and commercial barriers affecting wind energy development.
 - 4) Explain the industrial ethanol production process from various feedstocks. Also discuss the policy aspects of ethanol production in India, with reference to national biofuel initiatives.
 - 5) Discuss the importance of biodiesel blending (B20). Explain its advantages and disadvantages with respect to engine performance and emissions.
 - 6) Discuss the economics of biogas plants. How does plant size influence cost, savings, and payback period?
 - 7) Describe the stages involved in the development and implementation of a CDM project. Also discuss the benefits and challenges of CDM projects for developing countries.