

Dear Student,

Please read the information on assignments in the Programme Guide that we have sent you after your enrolment. A weightage of 30%, as you are aware, has been earmarked for continuous evaluation, **which would consist of one tutor-marked assignment** for this course. The assignment for MST-002 has been given in this booklet.

Instructions for Formatting Your Assignments

Before attempting the assignment, please read the following instructions carefully:

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

ENROLLMENT NO:.....

NAME :.....

ADDRESS:.....

.....

.....

PROGRAMME CODE:

COURSE CODE:.....

COURSE TITLE:

STUDY CENTRE:..... DATE:.....

PLEASE FOLLOW THE ABOVE FORM AT 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) This assignment is to be submitted at the Study Centre.

We strongly suggest that you should retain a copy of your answer sheets.

- 6) This assignment is valid up to December 31, 2026.
- 7) **You cannot fill the Exam Form for this course** till you have submitted this assignment. So solve it and **submit it to your Study Centre at the earliest**. If you wish to appear in the **TEE, June 2026**, you should submit your TMAs by **March 31, 2026**. Similarly, if you wish to appear in the **TEE, December 2026**, you should submit your TMAs by **September 30, 2026**.

We wish you good luck.

Assignment -1

(To be done **after** studying the course material)

Course Code: BEY010

Course Title: Energy Economics

Assignment Code: BEY008/TMA/2026

Maximum Marks: 100

Last Date of Submission: 31st October 2026 for December 2026 Session

And 30th April for June 2027 Session

Note: Attempt all questions. All questions carry equal marks.

Q.1	Explain the Cash Flow Statement. Discuss its importance, major components, sources and uses of cash, and distinguish between cash flow and fund flow.	10
Q.2	Explain the concept of Time Value of Money and its importance in financial decision-making. Discuss the major interest and discounting formulae.	10
Q.3	Explain Life Cycle Analysis (LCA). Discuss its four phases, system boundaries, primary energy analysis, and general applications of LCA.	10
Q.4	Explain project risk and discuss the techniques used for risk analysis, including Probability Distribution, Sensitivity Analysis, Scenario Analysis, Monte Carlo Simulation, and Decision Tree Analysis.	10
Q.5	Explain the regulatory and policy framework in the energy sector in India. Discuss the roles of Central, State, and Local Governments.	10
Q.6	Discuss the role of government and private investment firms in energy technologies. Explain cash grants, capital subsidies, soft loans, blended finance, and project bankability.	10
Q.7	Discuss the growing importance of renewable energy in India. Explain the role of government schemes, green jobs, entrepreneurship, and skill development in promoting renewable energy.	10
Q.8	Explain the need for primary energy source-based policies. Discuss the major policy considerations for fossil fuels and renewable energy sources.	10
Q.9	Explain technology-based policies in the energy sector. Discuss the role of government in promoting innovation and policy instruments for renewable energy, energy storage, smart grids, and cleaner technologies.	10
Q.10	Explain the challenges of sustainable and low-carbon transportation. Discuss energy efficiency, emission reduction, and sustainable mobility measures.	10