5/10/26 AN

Name:
Branch and Division:
Roll No:

MAR ATHANASIUS COLLEGE OF ENGINEERING

KOTHAMANGALAM – 686 666

(Govt. Aided Autonomous Institution)

DEPARTMENT OF MECHANICAL ENGINEERING

SESSIONAL EXAMINATION OCTOBER 2026

B24MC2T05 ENERGY CONSERVATION AND ENVIRONMENTAL SUSTAINABILITY

Time: 1.50 Hours **Max Marks: 40**

PART-A (Each question carries 4 marks)

1. Analyse the advantages and disadvantages of renewable energy resources.. **[CO1]**
2. Explain the concept of Green Hydrogen. How can it help to create a cleaner future? **[CO2]**
3. Describe the measures to control air pollution. **[CO3]**

PART-B

4. Elaborate the different types of energy audit. (9 marks) **[CO1]**
5. Explain the different types of wind energy systems. (9 marks) **[CO2]**
6. Describe the causes of water pollution and its environmental impacts. (10 marks) **[CO3]**

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Vision

Mentoring to ensure excellence

Mission

To facilitate comprehensive and integrated development of students by providing quality education that encourages sustainable practices

To mould disciplined and socially committed engineers capable of assuming professional leadership upholding national integrity