

MEPS-202**M.E./M.Tech. II Semester**

Examination, May 2018

Energy Conservation and Management*Time : Three Hours**Maximum Marks : 70*

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) Discuss about Energy auditing instruments.
b) Discuss about Material load energy balance diagram.
2. a) Explain waste heat recovery techniques in Thermal systems.
b) Discuss about Primary Energy Sources.
3. a) Explain about economic analysis depreciation method.
b) Write short notes on Thermal energy audit in heating.
4. a) Discuss Energy efficient motor V.S.D.
b) Explain about energy conservation in transportation system.

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5. a) Explain in detail about Energy conservation process in Textile industry.
b) Explain in detail about electrical energy conservation in lighting system.
6. a) Explain the laws of thermodynamics.
b) Write short notes on payback period.
7. a) Write short notes on contract demand and billing demand.
b) Explain the methods to improve the power factor.
8. a) Discuss the function of energy managers.
b) What is DSM explain different DSM techniques?
