R16

Reg. No:

Time: **3 hours**   Max. Marks: **60**

(Answer all Five Units **5 X 12 =60** Marks)

UNIT-I

Q.1	a.	What are the objectives of Energy management?	6M
	b.	Write about Energy management in Process Industry?	6M

OR

Q.2	a.	What is the scope of Energy management?	4M
	b.	What are the necessary steps in Energy management program me?	8M

UNIT-II

Q.3	a.	What is the significance of knowing Energy costs?	4M
	b.	Generate a report for presentation of Energy Audit results.	8M

OR

Q.4	a.	Define Energy Index, Cost Index and Pie chart with examples.	6M
	b.	Write about Energy Audit in foundry.	6M

UNIT-III

Q.5	a.	What is the scope and nature of economic analysis?	4M
	b.	Differentiate between micro economics and macro economics.	8M

OR

Q.6	a.	What is meant by Risk analysis? When to use it?	4M
	b.	Give the detailed steps of Risk analysis.	8M

UNIT-IV

Q.7	a.	What is meant by project evaluation and Monitoring?	4M
	b.	Explain payback method with an example. Mention its advantages.	8M

OR

Q.8	a.	Explain the necessity and responsibility of Energy consultant.	4M
	b.	What is the selection criteria for an Energy consultant?	8M

UNIT-V

Q.9	a.	Discuss about the different technologies to harness solar energy .	6M
	b.	What are the advantages and disadvantages of solar energy?	6M

OR

Q.10	a.	Explain in detail about types of concentrating collectors.	6M
	b.	Write about TES heating and cooling applications?	6M

*** END ***