H-1355

Total No. of Printed Pages:2

SUBJECT CODE NO:- H-1355 FACULTY OF SCIENCE AND TECHNOLOGY T.Y.B.Tech.(Electrical) (Sem -V) Energy Management [OLD]

		[OCD] \(\times \hat{A}	, 2, 0
[Time:	Two H	ours] [Max.Marl	cs:4(
N.B		Please check whether you have got the right question paper. i) All questions are compulsory. ii) Assume suitable data, if required. Section A	
Q.1	Attemji) ii) iii) iv) v)		08
Q.2	a)	What is the energy scenario in the India? OR	06
	b)	What are the principles of energy auditing? Explain.	06
Q.3	a)	Explain why energy audit is needed?	06
	b)	OR What are the duties of energy manager?	06
		Section B	
Q.4	Attemji) ii) iii) iv) v)	pt any four of the following: Define Report Writing? What is waste heat recovery? What mean by steam systems? Write two points comes under energy conservation for Air Conditioning. List down the components in steam system.	08
Q.5	a)	Explain various energy conservation opportunities in an industry. OR	06
	b)	Explain the efficient system for illumination.	06
Q.6	a)	Calculate simple payback period and % return on investment (ROI) for a project that cost Rs.100 Lakhs and Rs 5 Lakhs on an average to maintain and operate and is expected to save annually Rs.20 Lakhs. Comment on ROI whether to implement on the project.	06

OR

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- b) Explain the following financial appraisal techniques.i) Blower efficiency

 - ii) Opportunities of energy conservation in home

06