Energy Management System M. Tech. Third Semester (OLD-CBS Pattern) EMS 1109 - Self Study Course-II

P. Pages: 1

Time : Three Hours

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GUG/W/18/1958

Max. Marks: 70

	Note	 Answer a Due cred Assume a Diagrama Illustrate 	tions carry equal marks. any five questions. lit will be given to neatness and adequate dimensions. suitable data wherever necessary. Is should be given wherever necessary. by your answers wherever necessary with the help of neat sketches. on programmable calculator is permitted.	
1.	a)	Explain in brief with neat block diagram about Renewable Hybrid Energy System.		
	b)	What happens if energy prices go down, explain with suitable example?		
2.		State and explain New and emerging technologies for meeting the future energy needs of the country. Also mention technologies and methods of conversion to useful energy.		
3.		 Write short notes on the following. i) Need for environmental cost – benefit analysis applied to energy. ii) Need for Calibration of Environmental Policy Instruments. 		
4.		Draw SANKEY diagram for a reheating Furnace? The inputs and outputs should be marked clearly in terms of percentages.		
5.	a)	Discuss briefly an systems.	ny five energy efficiency improvement opportunities in pumping	7
	b)	Discuss briefly so be developed in an	ome of the levels at which the material & energy balance are required to ny industry.	7
6.	a)	Explain Prototype	e Carbon Fund? What are its uses?	7
	b)	What do you know	w about the UNFCCC? What are its objectives?	7
7.		What are the features & benefits of energy audit and MIS analysis for ELECTRICAL POWER TRANSMISION SYSTEM.		
8.	a)	Discuss briefly the subjects/ Heads which constitute a standard Energy Balance. Sheet.		7
	b)	What do you mean	n by Fair Market Value Vs. Bottom-up Analysis for RE system pricing	? 7
