## DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE – RAIGAD – 402 103

Winter Semester Examination – December – 2019

Date: - 20/12/2019	Marks: 60 Ti	5C) ime: 3 Hrs
Instructions to the Students  1. Each question carries 12 marks.  2. Attempt any five questions of the follog.  3. Illustrate your answers with neat sketc.  4. If some part or parameter is noticed to mention it clearly.		t and should
		(Marks)
Q.1. Write notes on following topics a.) Energy Audit of Buildings.		(12)
b.) Considerations in implementi	ng energy conservation programme	s.
Q.2. a) State the operation of utility mo	onitoring and control system. Is and quantities to be monitored or	(06)
controlled?		(06)
Q.3. a) Discuss energy-efficient motors	with measures adopted for energy	
efficiency.		(08)
b) Draw the Sankey diagram of an	induction motor with neat label.	(04)
Q.4.Write the short notes on following.		(12)
a) Multitasking solid-state meters.		* **
b) The use of instrument transform c) Paralleling of current transform	mers with watt-hour and demand m ners.	eters.
Q.5. Attempt any one sub-question of t	he following.	
a) Discuss the basic terms in lighti		(12)
b) Explain classification of cogene	ration systems.	(12)
Q.6. a) Explain the method of life cycle	costing?	(06)
b) Write short notes on		(06)
i.) Return on Investment (ROI).		
ii.) Time Value of Money.		