	BT-7/M-20 370	<b>59</b>		
	RENEWABLE ENERGY RESOURCES ME-435-E			
Tim	ne : Three Hours] [Maximum Marks :	100		
<b>Note</b> : Attempt <i>Five</i> questions in all, selecting at least <i>one</i> question from each Unit.				
Unit I				
1.	Discuss the concept, types and significance of renew energy resources.	able <b>20</b>		
2.	Write briefly on the following:  (a) Multimode heat transfer  (b) Properties of transparent materials.	10 10		
Unit II				
3.	Discuss the effect of earth's atmosphere on solar radiate. How is heat balance maintained for a solar collector			
4.	<ul><li>Write briefly on the following:</li><li>(a) Solar pond</li><li>(b) Working of a photovoltaic cell.</li></ul>	10 10		
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**Total Pages: 02** 

## Unit III

Discuss the working of an impulse turbine. Also discuss

	the working of a hydraulic rain pump.	20	
6.	Write briefly on the following:	7+7+6	
	(a) Bio-fuels		
	(b) Pyrolysis		
	(c) Alcoholic fermentation.		
	Unit IV		
7.	viscuss the concept of wave motion as a source of energy.		
	What are different types of wave patterns?	Also discuss	
	different causes for tide formation.	20	
8.	Write briefly on the following:		
	(a) Geophysics	10	
	(b) Geothermal Energy.	10	