Model Question Paper		
COURSE: M.TECH.	BRANCH: ELECTRICAL ENGINEERING	
SEMESTER: 1 .	SUBJECT: Renewable Energy System	
Duration: 3:00 hrs	Max marks: 100	

ROLL NO.

Note: Attempt all questions.

Sub Code: MEET-111

	1. Attempt any four parts of the following.	$5\mathbf{x4}=\ 20$
a) b)		nent.
c) d)		
	What are the Sources of Energy such as Micro-turbines?	
	2. Attempt any two parts of the following.	10x2=20
	 a) Explain solar energy how it is beneficial for environment. b) Write the application of PV system and compare it with conventional method. c) Give the working of solar thermal conversion devices. 	
	3. Attempt any two parts of the following.	10x2=20
	a) Write the basic principle of wind energy conservation.b) How will you collect wind data and what is the process of energy estimation?c) Explain Power Electronic Interface with the Grid.	
	4. Attempt any two parts of the following.	10x2=20
	a) Explain the Impact of Distributed Generation on the Power System.b) Discuss various factors to be considered while selecting the site for nuclear power planc) What are the main characteristics of a good power plant site ?	ıt.

5. Attempt any two parts of the following.

a) What are the cause and effects of air pollution, water pollution, soil pollution, marine pollution, noise pollution, thermal pollution? And how to control these pollutions?

10x2=20

- b) What are various methods of using solar energy? What is the future of bio fuels in India?
- c) Explain the Transmission System Operation.