AG AG AG AG AG AG A

AG	B. Tech IV Year II Semester Examinations, September - 2020 RENEWABLE ENERGY SOURCES (Common to EEE, CSE)	R16 ABAD Marks: 75	A
Answer any Five Questions All Questions Carry Equal Marks			
△ (¬].a) b)	Discuss the global climate changes in India. Explain the global and Indian energy scenario.		A
2.a) b)	Describe the CO ₂ reduction potential of renewable energy. Give the importance of renewable and non-renewable energy sources.	[8+7]	
△ (3. 4.	Explain the procedure to estimate the average solar radiation. Describe thermal energy storage systems and their applications.	[15]	A
5.a) b)	Discuss the wind energy potential and potential measurement in India Explain the factors influence for site selection of wind power generation.	[8+7]	
6.a) b) 7.a) b)	Describe the wind turbines characteristics and applications. Explain the safety and environmental aspects for wind generation plants. What are the different factors which affect the size of the bio gas plants? Describe the biomass energy programme in India.	[7+8]	Δ
 8.a) Explain the principle of tidal energy production and components of tidal power plant. b) Discuss the typical OTEC plant salient features. [7+8] 			
AG '	AG AG AG AG	i AG	4
AG	AG AG AG AG AG	AG	<u> </u>
AG.	AG AG AG AG	à AG	<u> </u>