GUJARAT TECHNOLOGICAL UNIVERSITY BE- SEMESTER- 1st / 2nd EXAMINATION - SUMMER 2016

Subject Name: Renewable Energy		Date:14/06/2016 Total Marks: 70		
Q.1	(a) (b)	Discuss advantages and disadvantages of solar energy . Explain operating principle of solar photovoltaic system .		07 07
Q.2	(a) (b)	Explain OTEC power plant. Explain advantages and disadvantages of wind energy. Also write wind energy.		07 07
Q.3	(a) (b)	Compare conventional energy sources with non conventional energy Explain tidal energy with its advantages and applications		07 07
Q.4	(a) (b)	Explain site selection procedure for wind mills for power generation Compare solar energy with wind energy with respect to electrical p		07 07
Q.5	(a) (b)	Explain operating principle and components of microhydel power p Explain the components of a microhydel power plant.		07 07
Q.6	(a) (b)	Explain wood gassifier with its advantages. Explain applications of bio-conversion system.		07 07
Q.7	(a) (b)	Explain solar thermal systems as various aspects. What is the means of renewable energy source? Compare various re Sources.		07 07
