



IV-B.TECH-I SEM
RENEWABLE ENERGY SYSTEMS (20A02705)

ASSIGNMENT-2

(Total marks: 5M)

1.
 - A. Distinguish between VAWT and HAWT systems?
 - B. What is the basic principle of wind energy conversion?
 - C. Mention the applications of wind energy?
 - D. Define the term geothermal energy?
 - E. Define the term magma?
2.
 - A. Explain about basic principle of wave energy?
 - B. Explain about basic principle of tidal energy?
 - C. How biomass conversion takes place?
 - D. What is the difference between biomass and biogas?
 - E. Mention the types of fuel cell and its advantage?
3. Explain briefly about the horizontal wind mills with neat sketch. [CO3,K2]
4. Discus with a neat sketch about the operation of flashed steam geothermal power plant [CO4,K2]
5. Explain the working principle of OTEC system and also mention its [CO5,K2]
