**Question Bank (I scheme)**

**Name of Course:Renewable energy technologies**

**Subject Code:22514 Unit Test II**

**Semester:V Programme:CH**

**Unit III**

**Two marks questions –**

1. Write the concept of solid biomass energy.
2. State the different methods of formation of bio-energy.
3. What are the advantages of using solid biomass energy?

**Four marks questions –**

1. Write the construction and working of power plant using wood chips.
2. Write the construction and working of fixed dome bio-gas power plant.
3. Write the construction and working of floating dome bio-gas power plant.
4. Explain , how bio-mass energy is prepared from kitchen waste?
5. Explain , how bio-mass energy is prepared from municipal solid waste?

**Unit IV**

**Two marks questions –**

1. Write the concept liquid of biomass energy or biodiesel.
2. What are the advantages of using liquid energy?
3. Write different facts about biodiesel.
4. Give facts about ethanol as a fuel.

**Four marks questions –**

1. Discuss the preparation of biodiesel from jatopha plant.
2. Explain , how bio-diesel is prepared from plastic waste?

**Unit V**

**Two marks questions –**

1. Write the concept of micro-hydro power plant.
2. Give the working principle of micro-hydro power plant.
3. What are the advantages of using micro-hydro power plant?
4. Give the applications of micro-hydro power plant.

**Four marks questions –**

1. Write and explain the different components of micro-hydro power plant.
2. Explain , how micro-hydro power plant works?