

# BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY

## Question Bank for UT-2

**Sub-AEM (316364)**

**Course- ME6K**

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### **Unit - III Direct use of Solar Energy**

#### **2 Marks Question**

Q.1 State Advantages of solar PV system

Q.2 Define Net metering

#### **4 Marks Question**

Q.1 Explain Solar Tower with Sketch.

Q.2 Explain Solar PV system with sketch

Q.3 Explain solar water pumping system

Q.4 Explain Design Considerations in solar water heating system.

### **Unit – IV Indirect use of Solar Energy**

#### **2 Marks Question**

Q.1. Define Cut in and Cut out speed

Q.2 what is WECS.

Q.3. Classify Wind Turbines.

Q.4 State applications of Biomass energy.

Q.5 State Limitations of Biomass energy.

#### **4 Marks Question**

Q.1 Explain With neat sketch HAWT.

Q.2 Explain Site selection of wind turbine.

Q.3 Explain compressed Biogas plant with sketch.

Q.4 Explain Biomass Briquettes and Pallets

### **Unit – V Other Renewable energy sources.**

## **2 Marks Question**

Q.1 State Necessity of new renewable energy sources.

Q.2 Name any four Hydrogen fuel cell.

Q.3 List any four sources of geothermal power plant

Q.4 State Objectives of PM- KUSUM YOJNA

Q.5 State Objectives of Mukhyamantri Saur Krushi Pump (MSKPY).

## **4 Marks Question**

Q.1 Explain Construction and working of Dry steam geothermal power plant.

Q.2 How Ethanol is processed from Sugarcane.

Q.3 Explain Construction and working of Tidal power plant.

Q.4 Explain Construction and working Ocean thermal energy conversion (OTEC).

Q.5 Explain working principle of Hydrogen Fuel cell .