

# **BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY**

## **Question Bank (K-Scheme)**

**Name of subject: Solid Waste Management**

**Unit Test: I**

**Subject code: 316312**

**Course: CE**

**Semester: VI**

### **Unit 1 (Introduction to Solid Waste Management)**

#### **2 Marks**

1. Enlist the types of solid waste.
2. Define solid waste. State the sources of solid waste.
3. Define biomedical waste.
4. State the characteristics of hazardous waste.

#### **4 Marks**

1. State impact of solid waste on environment and health.
2. State Physical, chemical and biological characteristics of MSW.
3. Explain the four R's of solid waste management with hierarchy.
4. Explain hazardous and non-hazardous waste with characteristics.

### **Unit 2 (Aspects of Solid Waste Management)**

#### **2 Marks**

1. Enlist the tools and equipment used in collection of solid waste.
2. State the methods of collection of MSW.
3. Define movable bin.
4. Define transfer station

#### **4 marks**

1. Define transfer station. State its necessity.
2. State the methods of collection of MSW with neat sketch.
3. What is waste segregation? Explain its importance.
4. State the factors affecting generation of solid waste.

### **Unit 3 (Treatment and Disposal of Solid Waste)**

#### **2 Marks**

1. Enlist solid waste disposal methods.

2. List the various methods of composting.

**4 marks**

1. Enlist the landfilling method of solid waste. Explain any one with neat sketch.
2. Explain step by step procedure of vermin composting.