

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
DIRECTORATE OF DISTANCE EDUCATION

Programme: Diploma in Solid and Hazardous Waste Management

Subject: SolidWaste 1stSemester

Code: SHWM-101

Important Instructions:

Total Marks=30

Attempt all questions from each assignment given below.

- ii. Each assignment carries 15 marks.
- iii. All questions are to be attempted in legible handwriting on plane white A-4 size paper and same is uploaded through login your account.

ASSIGNMENT- I

1. What do you understand by solid waste? Discuss the different factor which effect solid waste generation.
2. Discuss the physical and chemical characteristics of solid waste.
3. Explain the objective and various processing techniques used for municipal solid waste (MSW) disposal.

ASSIGNMENT- II

1. Explain the various collection methods and means of transportation used for solid waste.
2. Write the sources and type of solid waste.
3. Discuss treatment method of solid waste.

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Programme: Diploma in Solid and Hazardous Waste Management

Subject: SolidWaste 1stSemester

Code: SHWM-102

Important Instructions:

Total Marks=30

Attempt all questions from each assignment given below.

- ii. Each assignment carries 15 marks.
- iii. All questions are to be attempted in legible handwriting on plane white A-4 size paper and same is uploaded through login your account.

ASSIGNMENT- I

1. Define compost and explain various stages of composting.
2. Write a descriptive note on incinerator, its types and factors affecting incineration.
3. Explain land fill site selection and different landfilling methods.

ASSIGNMENT- II

1. Write a note on biogas plant operation and its applications.
2. Write short note on following:
 - a) Incineration
 - b) Pyrolysis and Gasification
3. Write short note on material recovery in context of solid waste management.

ASSIGNMENTS

SHWM-103

Swachh Bharat Mission

Total Marks=30

Important Instructions:

Note: Attempt all questions from each assignment given below.

- i. Each assignment carries 15 marks.**
- ii. All questions are to be attempted in legible handwriting on plane white A-4 size paper and same is uploaded through login your account.**

ASSIGNMENT-I

1. Enumerate and explain SBA (Swachh Bharat Abhiyan) with suitable examples.
2. Write a note on hygiene, sanitation and sustainable waste management.
3. Describe ODF. Explain various indicators for Swachh Bharat.

ASSIGNMENT-II

1. Enumerate and explain monitoring, supervision and community mobilization. Give appropriate examples.
2. Write a note on ranking of cities and Swachh tourist destinations with examples.
3. Write note on Two case studies of Swachh Bharat Abhiyan and their outcomes.