

MODERN EDUCATION SOCIETY'S
WADIA COLLEGE OF ENGINEERING

HSS Activity Title:

~~Aspharage~~ Visit

Waste management

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Waste management

Introduction

- Waste management or waste disposal includes the processes and actions required to manage waste from its inception to its final disposal.
- This includes the collection, transport, treatment, and disposal of waste, together with monitoring and regulation of the waste management process and waste related laws, technologies and economic mechanisms.
- Waste can be solid, liquid or gases and each type has different methods of disposal and management.

Objective

- The aim of waste management is to reduce the dangerous effects of such waste on the environment and human health.
- Minimize the production of waste
- Reduce pollution effects
- Protect groundwater sources
- Ensuring sustainability
- Promote public awareness
- Inculcating proper hygien practices

Idea Explanation:

- The following ideas can be incorporated in waste management:-

→ The 4 R's

- Reducing, Reusing, Recycling, Refusing are the 4 R's of waste management
- The 4 R's are the most effective and sustainable approach to manage waste.

1. Reducing waste

- Reducing waste involves minimizing the generation of waste by using fewer resources and reducing consumption.
- This can be achieved by adopting eco-friendly practices such as energy-efficient appliances, reduced packaging, and choosing reusable products.

2. Reusing waste

- Reusing waste involves using waste materials again for the same or a different purpose.
- This can be achieved by repairing and refurbishing products, donating or selling unwanted items, and using reusable containers.

3. Recycling waste

- Recycling waste involves processing waste materials to create new products.
- Recycling helps conserve natural resources and reduces the amount of waste sent to landfills.
- Recycling can be done at the household level or through centralized recycling facilities.

4. Refusing waste

- Refusing waste involves avoiding the use of products that are not essential or have a significant environmental impact.
- This can be achieved by choosing products with eco-friendly certifications, avoiding single-use plastics, and using renewable energy resources.

Outcome

- Waste management is a critical issue in the world that requires urgent attention.
- The 4Rs of waste management - reducing, reusing, recycling and refusing waste - are essential to minimize waste generation, conserve resources and protect the environment.

- The government of India has implemented several initiatives and policies to improve waste management, but more needs to be done to address the challenges facing the sector.