

UNIT – V: Hazardous Waste Management

Multiple Choice Questions (MCQs) with Answers

1. Hazardous waste is waste that can cause:

- A) Environmental and health hazards
- B) Increased agricultural production
- C) Improved groundwater recharge
- D) Reduced pollution

Answer: A) Environmental and health hazards

2. Which of the following is a source of hazardous waste?

- A) Chemical industries
- B) Petroleum refineries
- C) Hospitals
- D) All of the above

Answer: D) All of the above

3. Which characteristic is commonly associated with hazardous waste?

- A) Ignitability
- B) Corrosivity
- C) Toxicity
- D) All of the above

Answer: D) All of the above

4. Risk assessment in hazardous waste management is carried out to:

- A) Increase waste generation
- B) Evaluate potential impacts on human health and environment
- C) Improve landfill aesthetics
- D) Reduce industrial production

Answer: B) Evaluate potential impacts on human health and environment

5. Which disposal method is commonly used for hazardous waste?

- A) Open dumping
- B) Secured landfill
- C) Open burning
- D) Ocean disposal

Answer: B) Secured landfill

6. Incineration is a process that involves:

- A) Biological decomposition
- B) Thermal destruction of waste at high temperatures
- C) Waste storage
- D) Land reclamation

Answer: B) Thermal destruction of waste at high temperatures

7. Biomedical waste is primarily generated from:

- A) Hospitals and healthcare facilities
- B) Agricultural farms
- C) Residential buildings
- D) Construction sites

Answer: A) Hospitals and healthcare facilities

8. Discarded electronic devices such as computers and mobile phones are classified as:

- A) Municipal waste
- B) Agricultural waste
- C) E-waste
- D) Nuclear waste

Answer: C) E-waste

9. Nuclear waste is generated mainly from:

- A) Thermal power plants
- B) Nuclear reactors and related activities
- C) Municipal landfills
- D) Composting facilities

Answer: B) Nuclear reactors and related activities

10. Industrial waste management aims to:

- A) Minimize waste generation and ensure safe disposal
- B) Increase waste production
- C) Eliminate recycling
- D) Promote open dumping

Answer: A) Minimize waste generation and ensure safe disposal

Fill in the Blanks with Answers

1. Hazardous waste may be toxic, corrosive, reactive, or ____.

Answer: ignitable

2. The process of evaluating potential dangers posed by hazardous waste is called risk ____.

Answer: assessment

3. A specially designed disposal facility for hazardous waste is called a ____ landfill.

Answer: secured

4. Incineration involves the ____ of waste at high temperatures.

Answer: combustion

5. Biomedical waste is generated from healthcare and ____ facilities.

Answer: medical

6. E-waste refers to discarded ____ and electronic equipment.

Answer: electrical

7. Used batteries, computers, and mobile phones are examples of ____ waste.

Answer: e

8. Radioactive waste generated from nuclear reactors is called ____ waste.

Answer: nuclear

9. Continuous observation of disposal facilities is known as ____.

Answer: monitoring

10. Proper industrial waste management helps protect human health and the ____.

Answer: environment