

CHAPTER-6 | Manufacturing Industries

QUIZ
PART-04

1. Which type of pollution is caused by the release of sulphur dioxide and carbon monoxide?
- A. Water Pollution
B. Noise Pollution
C. Air Pollution
D. Land Pollution (C)

Explanation: Air pollution results from the presence of undesirable gases like sulphur dioxide and carbon monoxide in the atmosphere.

2. Which industries are major contributors to water pollution?
- A. Textile and dyeing industries
B. Chemical and paper industries
C. Petroleum refineries
D. All of the above (D)

Explanation: All these industries discharge harmful substances like acids, dyes, and heavy metals into water bodies, causing water pollution.

3. What is a major source of land pollution by industries?
- A. Forest plantations
B. Water harvesting systems
C. Dumping of packaging material and chemicals
D. Noise from machines (C)

Explanation: Land pollution is mainly caused by dumping of glass, harmful chemicals, packaging materials, and industrial effluents.

4. What is thermal pollution of water?
- A. Mixing of oil into water bodies
B. Release of hot water into rivers and ponds
C. Noise generated near water sources
D. Evaporation of river water due to heat (B)

Explanation: Thermal pollution occurs when hot water from factories and thermal plants is released into water bodies before cooling.

5. How can particulate matter in the air be reduced?
- A. By increasing coal use
B. By using electrostatic precipitators in factories
C. By constructing more factories
D. By reducing tree plantation (B)

Explanation: Installing devices like electrostatic precipitators and scrubbers in factories helps reduce particulate matter in the air.

6. What is a common physiological effect of noise pollution?
- A. Skin rash
B. Digestive problems
C. Hearing impairment
D. Weak eyesight (C)

Explanation: Noise pollution leads to several health issues, including hearing impairment and increased blood pressure.

7. What is one way to reduce industrial freshwater pollution?
- A. Allowing untreated discharge
B. Using more coal
C. Recycling and treating wastewater
D. Increasing dye usage (C)

Explanation: Recycling and treating wastewater before releasing it into rivers reduces the pollution load on freshwater sources.

8. Which organization in India is certified for Environment Management System (EMS) 14001?
- A. ISRO
B. NTPC
C. DRDO
D. BHEL (B)

Explanation: NTPC, a major power corporation in India, holds ISO EMS 14001 certification and takes active steps to preserve the environment.

9. Which of the following is NOT part of the treatment stages for industrial effluents?
- A. Primary mechanical treatment
B. Tertiary physical and chemical processes
C. Nuclear sterilization process
D. Secondary biological treatment (C)

Explanation: Effluent treatment involves primary, secondary, and tertiary processes; nuclear sterilization is not part of this system.

10. What is one eco-friendly action taken by NTPC to reduce environmental pollution?
- A. Discharging untreated waste
B. Removing all vegetation near power plants
C. Ash pond management and waste recycling
D. Building more thermal plants (C)

Explanation: NTPC actively engages in ash pond management and recycling systems to minimize environmental pollution.