


## Environmental Sustainability

BRANCH :- ALL

These Questions are made for your previous exam, from PYQ and some internet....(Notes reference le Lena ek baar )

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 Based on PYQ + Syllabus + Expected Paper Format

### ✓ UNIT 1: Ecosystem

1. Define **ecosystem** and describe its **biotic & abiotic components**. (🔥PYQ MCQ)
2. Differentiate between **Lentic** and **Lotic** aquatic ecosystems.
3. What is **global warming**? Write causes and effects. (🔥PYQ Q2a)
4. What is the **Greenhouse Effect**? Explain difference between enhanced greenhouse effect and **ozone depletion**. (🔥PYQ Q2b)

### ✓ UNIT 2: Air Pollution

1. Write **natural** and **man-made sources of air pollution**. (🔥PYQ Q3a)
2. What are the effects of **particulate pollutants**? How can they be controlled?
3. What is the **Air (Prevention and Control of Pollution) Act 1981**? (🔥PYQ Q3b)
4. Explain **Cyclone separator** and **Electrostatic precipitator** with diagram.

### ✓ UNIT 3: Noise Pollution

1. Define **noise pollution**. (🔥PYQ Q4a)
2. What are its effects on **human health**? (🔥PYQ Q4a)
3. Suggest **control measures** for noise pollution. (🔥PYQ Q4b)
4. What is the role of **Noise (Regulation and Control) Rules, 2000**?

### ✓ UNIT 4: Water and Soil Pollution

1. Define **water pollution**. Write characteristics of water pollutants. (🔥PYQ Q5a)
2. Write **sources of water pollution** and explain **treatment processes**.
3. What is **soil pollution**? (🔥PYQ Q5b)
4. How does **fertilizer overuse** cause soil pollution? (🔥PYQ Q5b)
5. What is the **importance of rainwater harvesting**?

## ✓ UNIT 5: Renewable Sources of Energy

1. What is **solar energy**? Explain advantages of advanced solar collectors. (🔥PYQ Q6a)
2. Write a short note on:
  - **Solar water heater**
  - **Solar still**
3. What is **biomass**? Mention thermal characteristics.
4. Explain the **future prospects of wind energy** in India. (🔥PYQ Q6b)
5. Write environmental benefits of:
  - **Hydrogen energy**
  - **Ocean energy**
  - **Tidal energy**

## ✓ UNIT 6: Solid Waste Management & Environmental Acts

1. What is **solid waste**? List its types and characteristics. (🔥PYQ Q7a)
2. Write about **E-waste** and its impact.
3. Define **plastic waste**. How does it contribute to the climate crisis? (🔥PYQ Q7b)
4. Write short notes on:
  - **Solid Waste Management Rules 2016**
  - **E-Waste Rules 2016**
  - **Recycled plastic rules 2016**
  - **Environmental Protection Act 1986**
  - **Occupational health and safety measures**

## EXAM SMART STRATEGY 2025

### Unit High Weightage Topics

- 1 Global warming, greenhouse vs ozone (PYQ)
- 2 Air sources + Pollution control act (PYQ)
- 3 Health impact + control (PYQ)
- 4 Soil via fertilizers (PYQ)
- 5 Solar + Wind + Biomass (PYQ)
- 6 Solid/plastic waste + Acts (PYQ)

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