

**Environmental Sciences (MC-03)**  
**PYQ Analysis**  
**B.Tech. CE/CE(DS)/CE(H) - Years 2022-2024**

## **PART A (Repeated PYQs)**

### **Sustainable Development:**

**2022:** Q1(a) "What is Sustainable development?" (1.5 marks)

**2023:** Q1(i) "Sustainable Development." (1.5 marks)

### **Ecological Succession:**

**2023:** Q1(d) "Ecological succession." (1.5 marks)

**2024:** Q1(d) "What is the process of ecological succession?" (1.5 marks)

## **PART B (Similar PYQs)**

### **Hotspot of Biodiversity:**

**2022:** Q4(ii) "Hot spots of biodiversity" (5 marks, short note)

**2023:** Q1(f) "Hotspot of biodiversity" (1.5 marks, definition)

### **Multidisciplinary Nature of Environmental Studies:**

**2022:** Q2(a) "Explain the multi-disciplinary nature of Environmental Studies?" (7.5 marks)

**2023:** Q2(b) "Write an explanatory note on the multidisciplinary nature of environmental science. Briefly describe, how computer engineering plays an important role in conservation and protection of environmental quality?" (7.5 marks)

### **Biodiversity Conservation:**

**2022:** Q3(a) "What are the major threats to biodiversity? Explain the various methods of conservation of biodiversity." (7.5 marks)

**2023:** Q5(b) "Elucidate different approaches of biodiversity conservation along with their merits and demerits." (7.5 marks)

**2024:** Q3(b) "Explain biodiversity and its values and conservation approach." (7.5 marks)

### **Food Web:**

**2022:** Q1(c) "Define food chain and food web." (1.5 marks)

**2023:** Q4(b) "Why the concept of food web is more realistic than the concept of food chain?" (7.5 marks)

**2024:** Q5(a)(i) "Food web" (2.5 marks, short note)

### **Air Pollution:**

**2022:** Q1(i) "What are primary and secondary air pollutants?" (1.5 marks), Q7(i) "Effects of air pollution" (5 marks)

**2024:** Q6(b) "What are the major sources of air pollution? Discuss its effects and control measures." (10 marks)

### **Rainwater Harvesting:**

**2022:** Q7(v) "Rain water harvesting" (5 marks, short note)

**2024:** Q7(b)(ii) "Rainwater harvesting" (5 marks, short note)

### **Role of IT in environment & human health:**

**2023:** Q7(iii) "Role of IT in environmental and health" (5 marks)

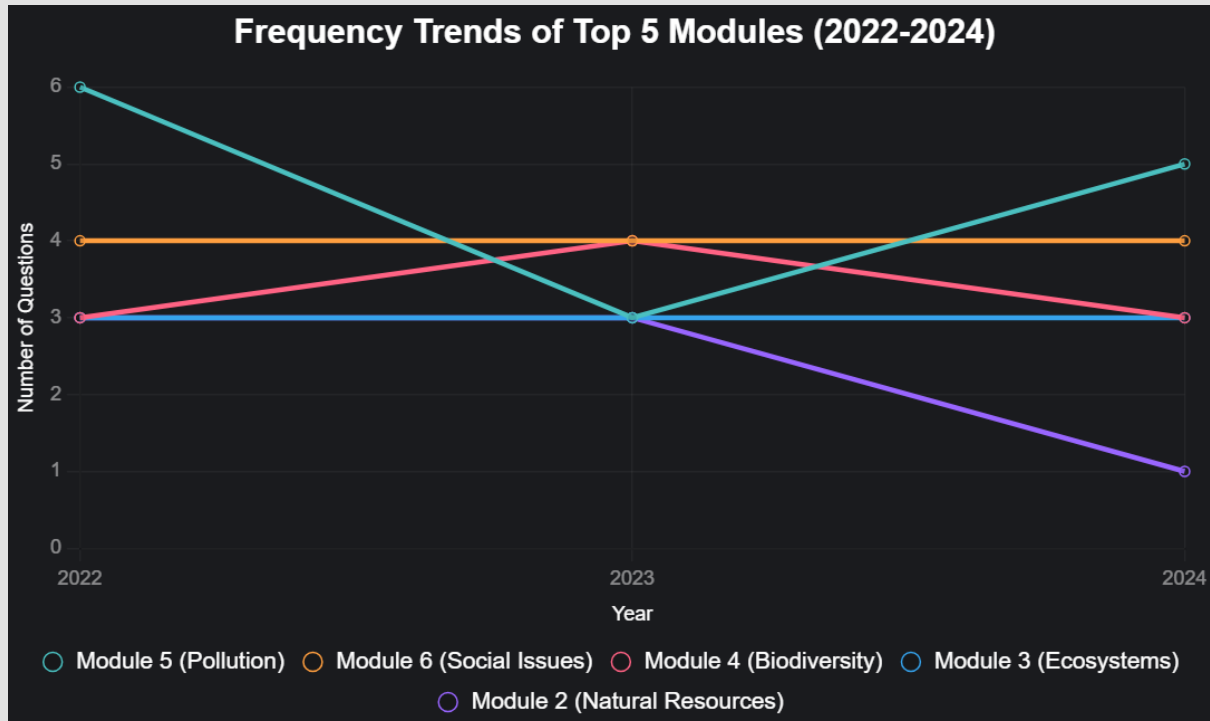
**2024:** Q7(a) "Discuss the role of information technology in the environment and human health." (10 marks)

## **PART C (New Questions in 2023)**

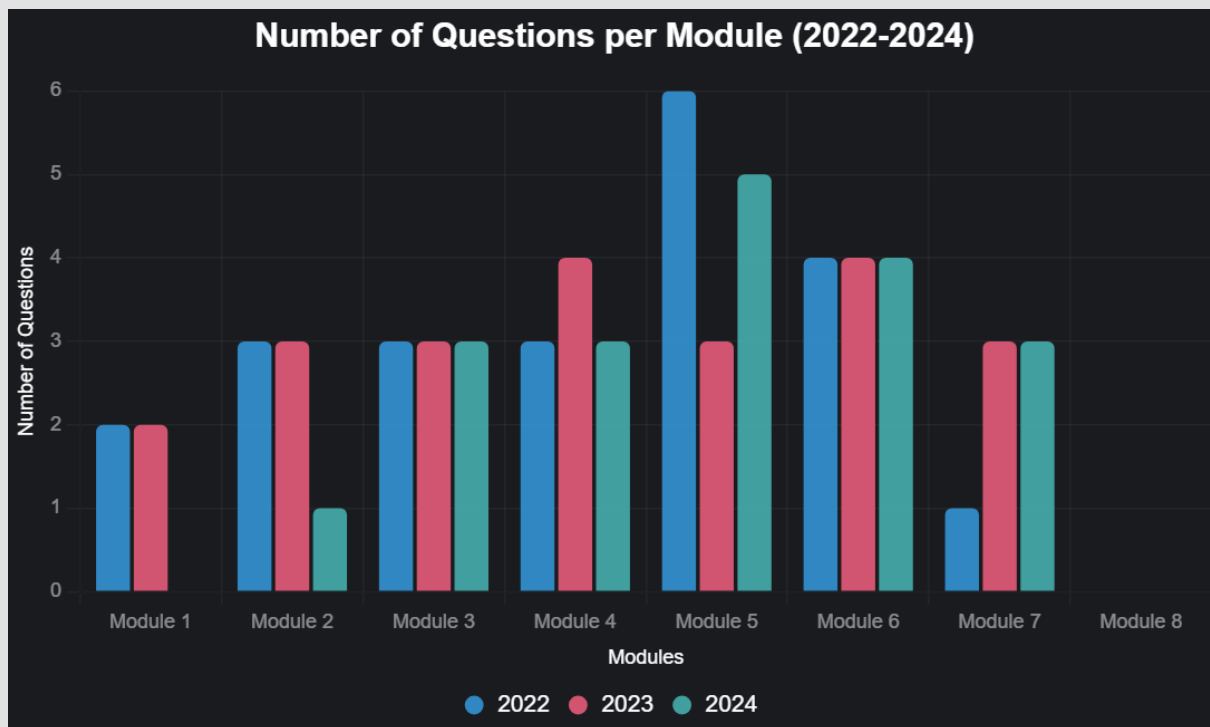
- Green marketing (Q1(a))
- OTEC (Q1(c))
- Biogeographic Zones of India (Q1(e))
- Wasteland reclamation (Q6(b))
- Role of IT (Q7(iii))
- Human Rights (Q7(iv))
- Life expectancy (Q7(ii))

## PART D (Latest Questions in 2024, Not in 2022/2023)

- **Q1(a):** Define HIV/AIDS. (1.5 marks)
- **Q1(b):** Differentiate contaminants and pollutants. (1.5 marks)
- **Q1(e):** How many national parks, sanctuaries, and biosphere reserves in India? (1.5 marks)
- **Q1(f):** What are the Articles 48A and 51A? Explain its importance. (1.5 marks)
- **Q1(h):** Name three diseases that are caused by heavy metals. (1.5 marks)
- **Q1(i):** Explain in detail about the holocaust. (1.5 marks)
- **Q1(j):** What is the difference between an earthquake and a cyclone? (1.5 marks)
- **Q5(b):** What is a biogeochemical cycle? Explain the carbon cycle in the environment. (10 marks)
- **Q6(a)(i):** Bhopal gas tragedy. (5 marks)
- **Q7(b)(i):** Family welfare program. (5 marks)



**Frequency Trends of Top 5 Modules (2022-2024))**



Number of Questions per Module (2022-2024))



Best of luck :)