

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)

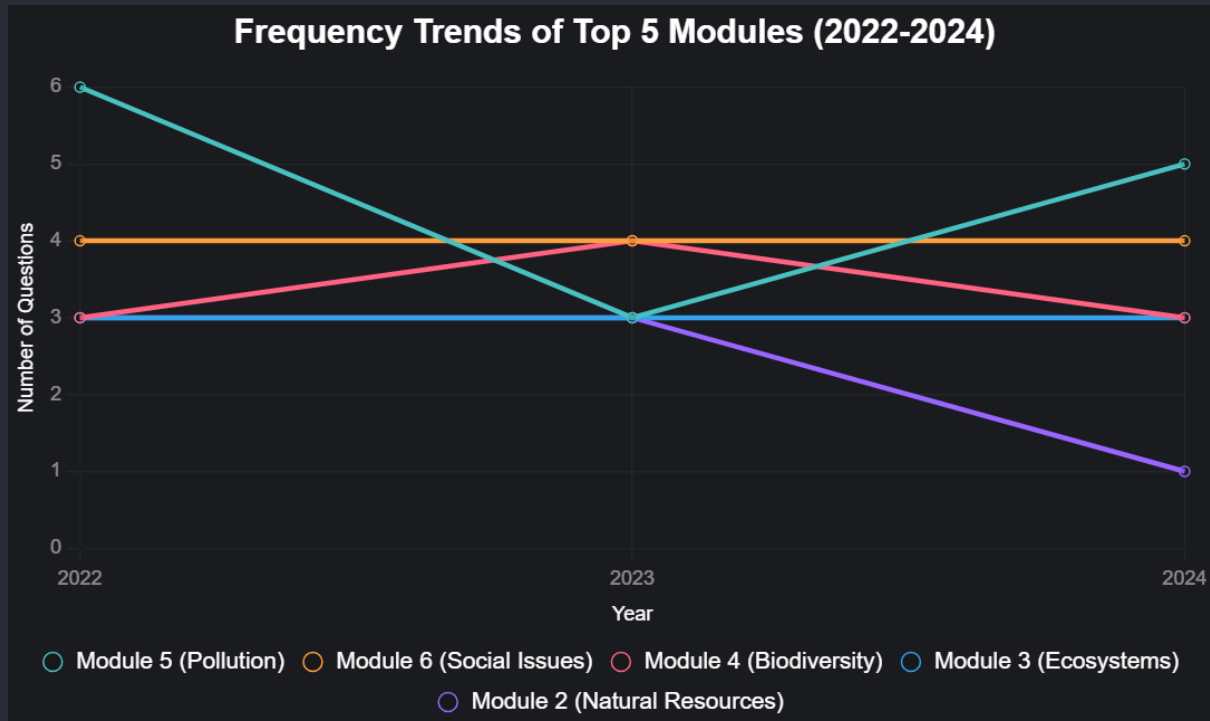
2024: Q7(a) "Discuss the role of information technology in the environment and human health." (10 marks)

PART C (New Questions in 2023)

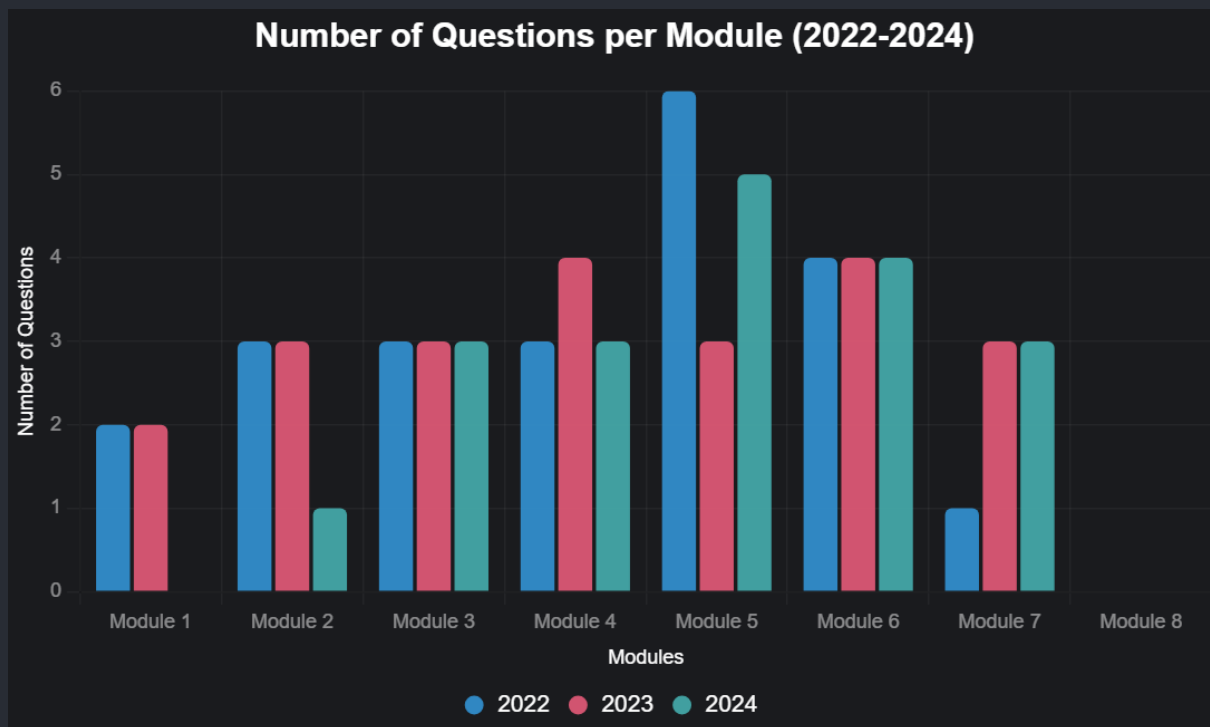
- Green marketing (Q1(a))
- OTEC (Q1(c))
- Biogeographic Zones of India (Q1(e))
- Wasteland reclamation (Q6(b))
- Role of IT (Q7(iii))
- Human Rights (Q7(iv))
- Life expectancy (Q7(ii))

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))



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