

Environmental Science and Technology

(End Exam- 2023)

Time: 180 minutes

Total Marks: 80

Instructions

Answer the following.

1. Write answers as POINTS only

2. Write only RELEVANT POINTS DISCUSSED IN THE CLASS

Section-I: [10 marks] [COs-1to6]

1. What is
a. Moore's law b. Green Tax c. Wild Me d. Art-51-A(g) e. Basel Convention
f. Ramsar Convention g. Blue carbon h. Slogan of "Chipko movement"
2. Is e-waste hazardous?
3. How hypercane impacts Earth's Ozone layer?

Section-II: [Answer Any 16] [32 marks] [COs-1to6]

1. Give an example for the concept related to: Conservation ethics, Ecological extension
2. How ventilation is measured in mechanically ventilated buildings
3. List approaches to control indoor air pollution
4. How SEEA has expanded and complemented SNA?
5. What is Kyoto Protocol? Differentiate between Kyoto protocol and Paris agreement.
6. How GPI-genuine progress indicator is created? What is its significance in green accounting?
7. Differentiate between Annex-1 and Annex-2 countries.
8. Give two examples of Non marketed goods and services.
9. What is the significance of Screening activity in EIA.
10. What are the four factors of production considered in National income
11. List any two incorrect/incomplete information furnished in the EIA report of Great Nicobar case.
12. Why be concerned with a small change in Ocean pH?
13. Differentiate between Deep ecology and Shallow ecology
14. Explain with an example the statement "No Money – No existence" in the traditional economy.
15. What is the difference between strong and weak sustainability.
16. Conservation agricultural tillage and its uses
17. Differentiate between Annex-1 and Annex-2 countries.
18. What are riparian forest buffers and their functions?
19. Why melting of Arctic summer ice is considered to be the single greatest threat.

Section-III [Answer Any 6] [18 marks] [COs-1to6]

1. Explain the basic difference between anthropocentrism, biocentrism and ecocentrism views on environment
2. List any four principles of Green Engineering
3. What are the environmental issues associated with Kali River of Western ghats?
4. What are the negative impacts of Tehri Dam?
5. Explain the process of diamond manufacturing by Aether (only the process)
6. Explain the negative impacts of ocean fertilization of Sulu Sea
7. Difference between Portland and Novacem cement

Profit
Income/Salary
Interest
Patent

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Section-IV [Answer Any 5] [20 marks] [COs-1to6]

1. According to the EPA, what are the 4 most dangerous indoor air pollutants in developed countries
2. Write formulae and the components of Standard National Account framework
3. What are the advantages of Thin client over Thick client
4. Explain the impact of Denim manufacturing on water consumption and pollution.
5. How full EIA study differs from preliminary assessment.
6. Explain any 2-market based flexible mechanisms to reduce emissions under Kyoto protocol.