Environmental Science and Technology

(End Exam- 2024)

Time: 120 minutes	Total Ma	rks: 50
Instructions: 1. Write answers as POINTS only	- GI 100	
2. Write only <u>RELEVANT POINTS DISCUSSED IN TH</u>	E CLASS	
Section-I: Match the Following [write number in the bracket] (5 Marks) [C		
A. Computer components Chemical constituents	_	1
1. Printed circuit boardsa. Cadmium	[
2. Computer batteries b. Poly Chlorinated Bi pheny	ls []
3. Capacitors and transformers Pala Vi and Charida	[]
4. Switches & flat screen monitors Ad I and & codmium	ĺ]
3. Cable hisulation/coating & Maraum	·	-
Pollutant		
insulation—— a Mad I I I I I	Г	1
b. Chloroform	I I	j
of Mold besteries	Ĺ	1
d. Para dichloro benzene	I I	j
5. Heating and cooling ducts e. Asbestos	ļ	j
Section-II: What is (5 marks) [one or two sentences] [COs-1,3,5] a. Basel Convention b. Ramsar Convention c. Moore's law d. Green certificate e. Art-51-A(g) Section III: Give an example (5 marks) [COs-1, 5] a. Source isolation strategy in indoor air quality maintenance b. No Money: No Existence d. Green website		
c. Conservation ethics e. Non-Marketed Environmen	tal Goods	
Section IV: Differentiate between (10 marks) [COs-3,4, 5] a Thick and Thin client b Strong and weak sustainability c Green d. Libertarian and Ecological Extension e. Green computing an	Tax and G	reen Cess gineering_
Section-V [10 marks] [COs-1, 4] What are the four factors of production considered in National incomplements and SEEA has expanded and complemented SNA? How is ventilation measured in mechanically ventilated buildings? What are the negative impacts of Tehri Dam? Relate Hicksian income with Green accounting?		
 Section-VI [15 marks] [COs-1, 2, 5, 6] 1. Explain the impact of smart phone/mobile devices production on en Explain the basic difference between anthropocentrism, biocentriviews on the environment? 	vironment? rism and e	cocentrism

What is SNA? Define its framework? Why did the concept of SNA remain so popular for longer time (only list the factors)?
 Explain any two Green engineering principles?

Explain the impact of Denim manufacturing on water consumption and pollution?