

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 19

PIT M.Sc. (Chemistry) (Sem.-1)

ENVIRONMENTAL SCIENCES

Subject Code : CHL-406

Paper ID : [51145]

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying FIVE marks each and students have to attempt ALL questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**Define :**

1. Environment
2. Biodistribution
3. Toxicology
4. acid rain
5. Smog
6. Pollutants
7. Biodegradability
8. Vertical temperature
9. Distinguish between micro and macro nutrients.
10. Inorganic and Organic pollution.

SECTION-B

11. Explain the biodistribution of elements.
12. Enumerate the water quality parameters.
13. What is pesticides. Give its significance. Give the steps required for the necessary use of it.
14. Give the chemistry of green house effect.
15. Explain the disposal of waste from nuclear power plants
16. Highlight the principles of decomposition.

SECTION-C

17. Enumerate the analytical methods for the estimation of metals, chloride, BOD.
18. Write short note on :
 - a. waste management.
 - b. Fertilizers.
19. Highlight various industrial pollutants and suggest their possible waste disposals.