

SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FEROZEPUR

ROLL No.: 

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Total number of pages: [ 1 ]

Total number of questions: 08

M.Tech. –EVS (Reappear)

## ENVIRONMENTAL CHEMISTRY

Subject Code: ES-503

Paper ID:

Batch: 2011 onwards

Time allowed: 3 Hrs

Max Marks:100

### Important Instructions:

- Attempt any five questions
- All questions carry equal marks
- Assume any missing data

- Q. 1. Explain any three Principals of Green Chemistry in detail. (20)
- Q. 2. What are Chemical and Biochemical reactions? Discuss applications in Disinfection. (10+10)
- Q. 3. Discuss some Organic Pollutants and their behavior and Fate in the environment ? (20)
- Q. 4. What are Oxidation Reduction reactions ? Give applications in Metal Removal Processes and Acid mine drainage. (5 + 15)
- Q. 5. What is Ozone Hole ? Discuss its ill effects on environment and its present Scenario. (5 + 15)
- Q. 6. Explain Size distribution, Life Time, Origin and Formation mechanism of Aerosols. (20)
- Q. 7. Explain Chemistry of Toxic compounds in Environment and Remedial measures thereof. (20)
- Q. 8. Write Short Note on following: (20)
- a) Water Hardness      b) BOD      c) COD      d) Industrial Effluents

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