

a2zSubjects.com

(REVISED COURSE)
(3 HOURS)

[TOTAL MARKS: 100]

- N.B.: (1) Question No. 1 is compulsory.
 (2) Attempt any four questions from remaining six questions.
 (3) Assume any suitable data but state the same.
 (4) Illustrate answer with sketches wherever necessary.

- Q1. A. What is effluent. Role of good housekeeping in industrial waste treatment. 5
 B. Draw a neat sketch of oxygen sag curve. Explain reoxygenation, deoxygenation and oxygen deficit. 5
 C. Compare Environmental Audit and EIA. a2zSubjects.com 5
 D. Explain Byproduct recovery from sugar industry. 5
 Q2. A. Explain in detail process of equalization and neutralization. 10
 B. What are tertiary treatments available for industrial waste. 10
 Q3. A. Explain in detail origin of waste from textile industry with flow diagram. 10
 B. Explain in detail pulp making process and waste generation from distillery industry with Effluent treatment plant diagram. a2zSubjects.com 10
 Q4. A. Discuss the origin and characteristics of the waste generated from tannery industry. 10
 B. Explain how will you treat waste from electroplating industry. 10
 Q5. A. Write in detail about various acts pertaining to industrial waste. 10
 B. Explain sanitation of streams. State effects of industrial waste on river and fish. 10
 Q6. A. Write a note on disposal of sludges. Explain floatation and centrifugation. 10
 B. Explain modification in conventional aerobic and anaerobic biological treatment methods. 10
 Q7. Write short note on any four a2zSubjects.com 20
 A. Treatability Study
 B. Streeter Phelps's Equation
 C. Filter Press
 D. Common Effluent Treatment Plant
 E. Save Alls.

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