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RAN-2103000206020174

T.Y.B.Sc. (Env. Sci.) (Sem. 6) Examination October - 2023

Environmental Science - XX

Industrial Wastewater Analysis and Treatment

Time: 2 Hours]

[Total Marks: 50

सूचना : / Instructions

(१)

नीचे दशविले निशानीवाणी विगतो उत्तरवली पर अवश्य लपववी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. (Env. Sci.) (Sem. 6)

Name of the Subject :

Environmental Science - XX Industrial Wastewater
Analysis and Treatment

Subject Code No.: 2103000206020174

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks of the question.
(3) Draw neat and labeled diagrams whenever necessary.

Q.1 Give Specific Answers.

12

1. What is the unit of Conductivity and color?
2. State the discharge limit of COD in inland water.
3. Which organic solvent is used for the production of Aureomycin?
4. What is sludge index?
5. Which formula is used to determine detention period in treatment?
6. Write down the factors affecting sludge digestion.

Q.2. Comment on/explain any two of the following:

12

1. Describe the estimation of Aluminum.
2. Draw a neat labelled diagram for the treatment of distillery wastewater.
3. Comment on - Mixing devices are crucial for mixing.

Q.3. Comment on/Justify any two of the following: 16

1. Comment on — Spectrophotometer is used to know the concentration of Nitrite.
2. Comment on - Biologically textile wastewater can be treated.
3. Jar-Tet Apparatus is used to set the coagulant dose - Justify

Q.4. Write Short Notes (Any Two) 10

1. Labelling sheet of container
 2. Sources of wastewater in a dairy industry.
 3. Sludge Digestion
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