



RAN - 2103000206020174

RAN-2103000206020174

T. Y. B. Sc. (Environmental Science) (Sem. - VI)

Examination April - 2023

ENV - 604 : Environmental Science - XX

Industrial Wastewater Analysis and Treatment

Time: 2 Hours]

[Total Marks: 50

सूचना : / Instructions

(1)

नीचे दशावलि निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.

Fill up strictly the details of signs on your answer book

Name of the Examination:

T. Y. B. Sc. (Environmental Science) (Sem. - VI)

Name of the Subject :

ENV - 604 : Environmental Science - XX Industrial Wastewater Analysis and Treatment

Subject Code No.: 2103000206020174

Seat No.:

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

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. Write down the principle for determination of hardness in water sample.
2. State the discharge limit of BOD in marine water.
3. Name the range of products from distillery industry.
4. Name the various types of screens.
5. Define: Discrete particles.
6. What is Sludge Lagooning?

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

12

1. Explain the estimation of BOD test.
2. Comment on - Variety of waste is generated from fertilizer industry.
3. Explain electro-dialysis in detail.

- Q. 3. Comment on/Justify any two of the following: 16**
1. Instrument is required for estimation of TOC - Justify
 2. Pharmaceutical waste can be treated by extended aeration - Justify.
 3. Describe the operational difficulties observed in ASP process.
- Q. 4. Write Short Notes. (Any Two) 10**
1. Sampling.
 2. Tuberculosis causing bacteria are found in dairy waste.
 3. Methods used for dewatering of sludge.
-