



RAN - 2003000205020171

**RAN-2003000205020171**

**T. Y. B. Sc. (Environment Science) (Sem. - V)**

**Examination March - 2023**

**ENV. - 501 : Water Pollution and Treatment**

**[ Total Marks: 50**

**सूचना : / Instructions**

(1)

नीचे दशविले 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. (Environment Science) (Sem. - V)

Name of the Subject :

ENV. - 501 : Water Pollution and Treatment

Subject Code No.: 2003000205020171

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. Give the difference between pollution and contamination.
2. What is the permissible limit of DO and chloride in drinking water as per CPCB norms?
3. Define Bath discharge.
4. Mention any two methods of disinfection for drinking water.
5. Define indicator bacteria. Name any two examples of them.
6. What are the various types of solids found in water sample.
7. Give two example toxic elements present in water and also responsible for which human health disease.

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

**12**

1. Non-abstractive uses of water.
2. Coliforms are used as indicator bacteria for water pollution.
3. Fertilizers and pesticides act as both curse and boon.

- Q. 3**      **Attempt any two of the following:**      **16**
1. Discuss in detail drinking water treatment method used by municipal corporations.
  2. Discuss the role and disposal of screens and skimmers in sewage treatment.
  3. Explain the principles of industrial waste treatment.

- Q. 4**      **Write short notes on any two of the following:**      **10**
1. WHO and CPCB standards for potable water.
  2. Difference between fertilizers and pesticides.
  3. Biological treatment of sewage water.
-