



RAN - 2103000206021104

**RAN-2103000206021104**

**T.Y.B.Sc. (Sem. (VI) Examination April - 2023**

**Bioscience (Microbiology) Paper - BS-604**

**Environmental Microbiology**

**Time: 2 Hours ]**

**[ Total Marks: 50**

**सूचना : / Instructions**

(१)

नीचे दृशविवेक 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. (Sem. (VI)

Name of the Subject :

Bioscience (Microbiology) Paper - BS-604  
Environmental Microbiology

Subject Code No.: 2103000206021104

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 Answer as directed:**

**12**

1. Give the full form of ECM, AM.
2. Enlist the phosphate solubilising bacteria.
3. What are Ammonifying bacteria?
4. Explain : Bioaugmentation.
5. Describe in brief *Bacillus thuringiensis* as bioinsecticide.
6. What is Defined substrate test?

**Q. 2** Write an essay on Drinking water quality standard.

**14**

**OR**

- Q. 2**
1. Working principal of Septic tank home treatment system.
  2. Explain in brief phosphate solubilised bacteria.

**Q.3** Write a note on biopesticides. Discuss the advantages and disadvantages of biopesticides over chemical pesticides. **14**

**OR**

**Q.3** 1. Describe in brief different types of Phytoremediation. **14**  
2. Write a note on MPN.

**Q.4** **Write short notes on: (Any two)** **10**

1. Colilert test.
  2. Write a note Mycorrhizae.
  3. Biofertilizer
-