

THE HNSB. LTD. SCIENCE COLLEGE HIMATNAGAR

MICROBIOLOGY DEPARTMENT

1st ASSIGNMENT SUBMISSION NOTICE

Year: 2022-2023

Date: 31/01/2023

This is to inform all the students of **B.Sc. MICROBIOLOGY sem 2, 4 and 6** that students have to write down assignment in separate supply as shown below. Last date for submission is **06/02/2023**. Students must have to submit assignment before/on due date.

B.Sc. Sem-2

• **MB-201 – INTRODUCTION TO BACTERIOLOGY.**

1. Explain cell size shape and arrangement of Bacteria.
2. Write a short note on pure culture isolation techniques.
3. Discuss types of Media.
4. Write a short note on various phases of Growth in Bacteria.
5. Write down composition and structure of Grams positive and negative bacteria.
6. Give difference between pilli and fimbriae.

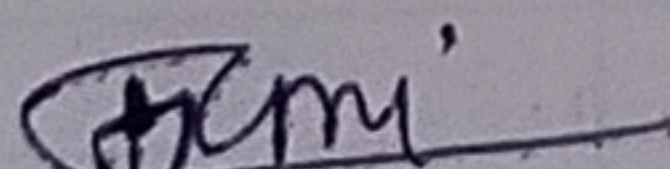
B.Sc. Sem-4

• **MB-401 – FOOD AND DAIRY MICROBIOLOGY**

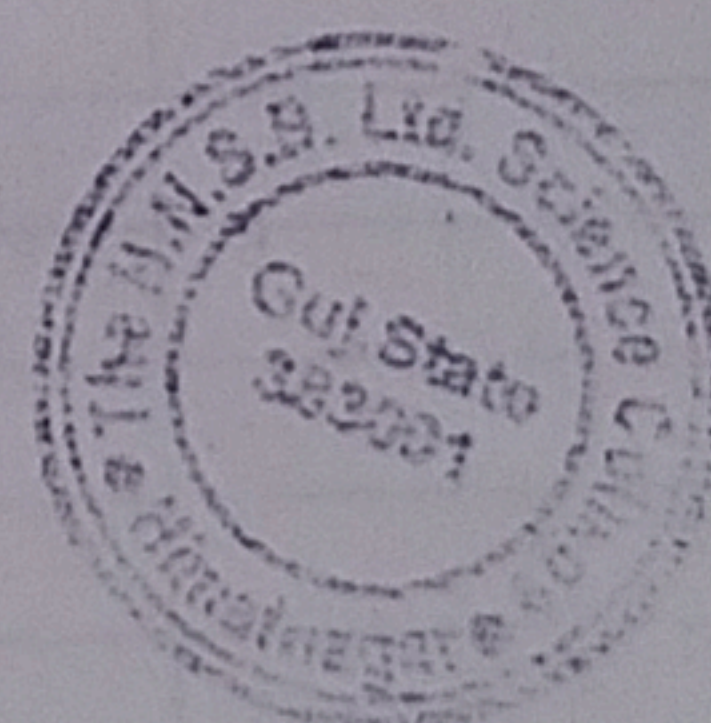
1. Write a short note on Cheese.
2. Write short note on spoilage of vegetables and meat.
3. Write a short note on food infection by salmonella and shigella.
4. Explain preservation by Canning.
5. Natural flora of various food.

• **MB-402 – ENVIRONMENTAL MICROBIOLOGY**

1. Explain Extremophiles.
2. Write a brief note on normal flora of Human body.
3. Write a short note on Nitrogen cycle.
4. Explain in detail: Secondary waste water treatment.
5. Explain BOD and COD.

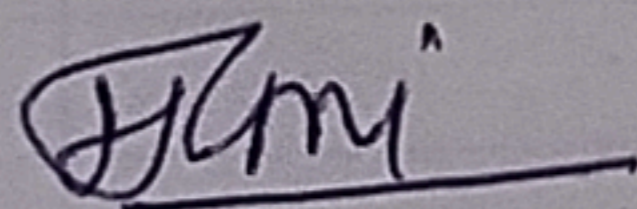

Head

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B.Sc. Sem-6

- **MB-601 – MICROBIAL GENETICS**
 1. Write a note on Griffith experiment.
 2. Explain mechanism of general transduction.
 3. Explain various types of Mutagens.
 4. Write a note on types of plasmids.
- **MB-602 – MICROBIAL PHYSIOLOGY AND METABOLISM**
 1. Explain penicillin production.
 2. Write note on cell disruption methods.
 3. Write a brief note on Bioreactor.
 4. Explain methods of immobilization.
- **MB-603 – MEDICAL MICROBIOLOGY**
 1. Write a note on normal microflora of human body.
 2. Explain in detail Malaria.
 3. Give answer in detail of fungal disease.
 4. Write short note on respiratory disease.
- **MB-604 – R-DNA TECHNOLOGY**
 1. Write down PBR and PUC vectors.
 2. Write short note on PCR.
 3. Explain in detail cDNA libraries.
 4. Explain in detail any two application of R DNA technology.


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