

SEMESTER EXAMINATION-2021
CLASS – BSC. (IND. MICROBIOLOGY)-SEM V
PAPER CODE: BIM-E503 ENVIRONMENTAL MICROBIOLOGY

Time: 3 hour

Max. Marks: 70

Min. Pass: 40%

Note: Question Paper is divided into two sections: **A and B**. Attempt both the sections as per given instructions.

SECTION-A (SHORT ANSWER TYPE QUESTIONS)

Instructions: Answer any five questions in about 150 words each. Each question carries six marks. (5 X 6 = 30 Marks)

Question-1: What is Chemical Oxygen Demand?

Question-2: What is Mineral leaching?

Question-3: What do you understand by composting?

Question-4: Write about landfill?

Question-5: Write about microbiology of sewage water.

Question-6: What do you understand by Atmospheric water.

Question-7: Give an account on the role of microorganism in soil.

Question-8: What is Biological Oxygen Demand?

Question-9: Write short note about Anaerobic Sludge Digestion?

Question-10: What is Biomedical wastes?

SECTION-B (LONG ANSWER TYPE QUESTIONS)

Instructions: Answer any FOUR questions in detail. Each question carries 10 marks. (4 X 10 = 40 Marks)

Question-11: Describe different methods for purification of water.

Question-12: Explain the procedure disposal of biohazardous materials

Question-13: Describe the different factor that affect the water microflora.

Question-14: Explain the working and principle of Trickling Filter.

Question-15: Describe the process of Sewage treatment.

Question-16: Explain the types of Bioremediation.

Question-17: Describe the process of bioremediation of hydrocarbon?

Question-18: What is MPN? How it is determined in laboratory.

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