

2024

Department of Food Technology
School of Interdisciplinary Sciences and Technology
Jamia Hamdard, New Delhi-110062
END-TERM SEM EXAMINATION (DEC, 2024)

B.TECH FT IIIrd SEM

Paper Title: **Food Microbiology LAB**

Paper Code: **BFTC-307**

Time allotted: **3Hrs.**

Max Marks: **60**

Use only Blue pen for writing.

Attempt all the questions.

Q1). If diluent = 1 ml, no. of colonies counted = 65, and dilution factor = 10^{-3} . What would be Cfu/ml? (5 marks)

Q2). Define Serial Dilution and CFU/ml. (5 marks)

Q3). Mention the principle and detailed procedure for estimation of microbial load in any given sample. Perform calculations as well. (10 marks)

Q4). Mention the detailed procedure for setting of agar plates. (10 marks)

Q5). If Agar media package instructs addition of 50g agar powder in 1000 ml of distilled water. How much would you add in 100 ml of solution? (5 marks)

Q6). Practical File + Viva-Voce

(10+ 15=25M)