

QP Code: D 122604		Total Pages: 1	Name:
			Register No.
SECOND SEMESTER (CUFYUGP) DEGREE EXAMINATION, APRIL 2025			
FOOD TECHNOLOGY			
FTL2CJ102 - Food Microbiology - I			
2024 Admission onwards			
Maximum Time : 2 Hours			Maximum Marks : 70
Section A			
All Questions can be answered. Each Question carries 3 marks (Ceiling : 24 Marks)			
1	What is the contribution of Antonie Van Leeuwenhoek?		
2	What is competence in transformation?		
3	What is the resolving power of a microscope?		
4	Hfr conjugation.		
5	Selective media vs Enrichment media.		
6	Yeast vs Hypha vs Mycelium.		
7	Write any four algae applications.		
8	List out the intrinsic factor that affect the growth of microbes.		
9	List out four food/water-borne bacterial pathogens.		
10	Define: Bacterial growth curve.		
Section B			
All Questions can be answered. Each Question carries 6 marks (Ceiling : 36 Marks)			
11	Give an account of the nutritional requirements of microorganisms.		
12	Write short notes on the transduction process of bacterial reproduction.		
13	Briefly describe the Gram and Spore staining methods.		
14	Explain the general characteristics, classification, and morphology of fungi.		
15	Write short notes on fluorescence microscopy.		
16	Explain the MPN technique and its application.		
17	Demonstrate the scanning electron microscopy.		
18	Give an account of the classification of culture media.		
Section C			
Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)			
19	Explain the serial dilution and pure culture techniques and their applications.		
20	Write notes on extrinsic factors that affect the growth of microorganisms.		