This question paper contains 2 printed pages]

NB-18-2023

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (First Year) (First Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(New Course)

BIOTECHNOLOGY

(Microbiology-I)

(Wednesday, 6-12-2023)

Time: 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—75

- N.B. := (i) Attempt all questions.
 - (ii) Illustrate your answers with suitably labelled diagrams, wherever necessary.
- Describe in detail spontaneous generation? Explain the Redi's experiment.

Or

- (a) Write a short note on physiological significance of fermentation. 8
- (b) Explain the Koch's postulates.

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P.T.O.

WT		(2)	NB—18—	-2023
2.	Descr	ibe in detail food and dairy microbiology.		15
		For And Letter		
	(a)	Write a short note on space microbiology.		8
	(<i>b</i>)	Write a short note on medical microbiology.	3767	7
3.	What	is cytoplasmic inclusion? Give any two examples of	of it along	with
	functi	on. At the second secon	O.F.D.	15
		E Or LET SO	in other	
	(a)	Write a short note on ribosome of bacteria.		8
	(<i>b</i>)	Write a short note on mesosome.	E S	7
4.	Descr	ibe in detail endospore and exospores with example.		15
		CHAIN TO SERVE TO THE THE PARTY WHICH THE	To los	
5,00	(a)	What are the differences between Spore and Cyst.		8
	(<i>b</i>)	Write a short note on eukaryotic cell function.		7
5.	Write	short notes on any three out of four:		15
	(a)	Micrographia		
	(b)	Agricultural Microbiology		
S A	(c)	Nucleoid		
	(d)	Golgi apparatus.		
		S. 32, 74, 740.		

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