(20623)

B.Sc. (Bio-Tech.)- III Year

NS-3478

B.Sc. (Bio-Technology) Examination,

June-2023

INDUSTRIAL BIO-TECHNOLOGY

(B-306)

B.Sc. (Bio-Tech.)

Time: Three Hours] [Maximum Marks: 75

Note: Attempt any five questions.

- 1. Give a detailed account on industrial microorganism.
 - 2. Describe the role of pH, temperature and media aeration in fermentation.
 - Describe about microbial growth kinetics in batch fermentation process.

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4. Give a detailed account on bioreactors.	15
5. Give a detailed account on commercial produ	action
of any one of the following:	15
(a) Streptomycin	
(b) Acetic acid	
(c) Lactic acid	
6. Give a detailed account on commercial produ	ction
of one of the following amino acid:	15
(a) Glutamic acid	
(b) Lysine	
(c) Tryptophan	
Give a detailed account on Immobiļ	izęd
enzymes.	1,5
	tein
engineering.	15

9.	Write notes on the following:		7.5×2=15
	(a)	Transgenic Cow	

10. Give a detailed account on food adulteration with reference to dairy products and food grains.15

(b) Fermented dairy products

7.

8.