



TABLE OF SPECIFICATIONS
Btec 22n – Introduction to Bioprocessing
Second Semester AY 2021-2022

Examination: ___ Midterm ☒ Final

Date of Examination: **Dec. 17, 2021**

Content	No. of Meetings	Course Outcome/ Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
				15%	70%			15%		
Exercise No. 5 Effect of Substrate Concentration on Enzyme Kinetics	3	CO2, CO2/LO1	25	1	5			1		7
Exercise No. 6 Effect of Temperature on Enzyme Kinetics	3	CO2, CO2/LO1	25	1	5			1		7
Exercise No. 7 Introduction to Lab-scale Bioreactor	3	CO2/LO1	25	1	5			1		7
Exercise No. 8 <i>E. coli</i> Fermentation using Lab-scale Bioreactor	3	CO1, CO2/LO2	25	1	5			1		7
TOTAL	12		100	4	20			4		28
Item Arrangement				Test I	Test II			Test III		

Type/s of Test:

Test I	Enumeration
Test II	Identification
Test III	Discussion

Prepared by:	Name of Course Instructor /Professor	Signature	Date Signed
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