



TABLE OF SPECIFICATIONS
Chem 137.1 – Biochemistry Laboratory

2nd Semester AY 2021-2022

Examination: ☐ Midterm ☒ Final ☐ Long Exam

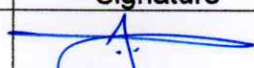
Date of Examination: June 23, 2022

Content	No. of Meetings	Course Outcome/Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
				34.55	21.82	27.27	14.55	1.82		
				%	%	%	%	%		
Biochemical calculations	1	CO1: Explain the rationale behind the Biochemistry experimental procedures: selection of glass wares, equipment, solvents, and reaction conditions for a specific reaction. CO2: Plan and conduct a variety of biochemical reactions, including safety precautions CO4: Properly analyze and present experiment data.	7.27			1	3			4
pH and Buffer System	1		12.73		3	2	2			7
Carbohydrates	1		18.18	6	2	2				10
Lipids	1		20.00	6		5				11
Amino Acids	1		7.27	2	1		1			4
Proteins	1		9.09	3	1		1			5
Enzyme activity	1		9.09		3	1	1			5
Vitamins	1		7.27	2		2				4
Chemistry of Urine	1		9.09		2	2		1		5
Total	9		100 %	19	12	15	8	1		55
Item Arrangement				I. 1-11 II. 1-8	I. 12-15 IV. 1-2 VI. 1-6	III. 1-15	V. 1-8	I. 16		


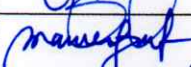
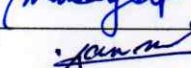
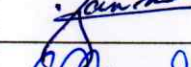
of Test:

Test I Multiple Choice
 Test II Matching Type
 Test III Modified True or False

Test IV Fill in the blank
 Test V Calculations
 Test VI Essay

Prepared by:	Name of Course Instructor /Professor	Signature	Date Signed
	MARK RYAN R. TRIPOLE		6/22/22

Department Instructional Materials Review Committee:

Committee	Name	Signature	Date Signed
Member:	ATOZ A. VASQUEZ		6/23/2022
Member:	MA. ROBELYN A. INSIK		6/23/2022
Chairperson	JACOB GLENN F. JANSALIN		6/23/2022
Department Head:	ELIZABETH S. QUEVEDO		6/23/2022

	Name	Signature	Date Signed
Verified by:	MA. THERESA P. LORETO Dean, CAS		
Validated by:	NANCY D. ABUNDA Head, OIMD		

Note: A copy of the test paper with answer key shall be attached to the TOS.

(3) Distribution of copies: OHIMD, Department, Faculty

Vision:
Mission:

A globally competitive university for science, technology, and environmental conservation.
 Development of a highly competitive human resource, cutting-edge scientific knowledge
 and innovative technologies for sustainable communities and environment.

Page 2 of 2
 TP-IMD-09
 v1 11-19-2021

No. 22-N