



## TABLE OF SPECIFICATIONS

### Chem 115 – Principles of Chemistry

1<sup>st</sup> Semester AY 2022-2023

Examination: ☒ Midterm ☐ Final

Date of Examination: 11/14/22

Content	No. of Meetings	Course Outcome/ Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
					33.3 %	20.0 %	22.2 %	26.7 %		
Quantum Theory & Electronic Structure of the Atom	1	CO 1/ LO 11 -14	17.8		2, 3, 6, 7, 8	1	4	5		8
Periodic Trends of the Elements	2	CO 1/ LO 15 -18	22.2 %		15, 17, 19	9, 10,	11,12, 13, 14, 16, 18			11
Ionic and Covalent Compounds	2	CO 2/ LO 1 - 5	8.9 %		20, 21, 22		23,			4
Representing molecules	2	CO 2/ LO 6 - 11	48.9 %		24, 25, 26, 29	28, 31, 32, 37, 38, 40	27, 30	33, 34, 35, 36, 39, 41, 42, 43, 44, 45		22
<b>Total</b>	<b>7</b>		<b>100%</b>		<b>15</b>	<b>9</b>	<b>10</b>	<b>11</b>		<b>45</b>
<b>Item Arrange ment</b>					2, 3, 6, 7, 8, 15, 17, 19, 20, 21, 22, 24, 25, 26, 29	1, 9, 10, 31, 32, 37, 38, 40	4, 11, 12, 13, 14, 16, 18, 23, 27, 30	5, 33, 34, 35, 36, 39, 41, 42, 43, 44, 45		

Type of Test: Multiple Choice

Prepared by:	Name of Course Instructor /Professor JACOB GLENN F. JANSALIN	Signature 	Date Signed 11/10/22
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Department Instructional Materials Review Committee:

Committee	Name	Signature	Date Signed
Member:	ALLAN A. RAMAL		11/11/22
Member:	ATOZ A. VASQUEZ		11/11/22
Member:	MARIA ROBELYN A. INSIK		11/11/22
Chairperson/Dept Head	ELIZABETH S. QUEVEDO		11/11/22

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

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

*Distribution of copies: OIMD, College, Department, Faculty, and Office of the Director for Quality Assurance*