MID SEMESTER EXAMINATION 2021-2022

CHI 461: INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS

	Max Marks: 35
Attempt all questions and submit Part A and Part B on	separate sheets
Part A	
1. Write down the difference between Flame Photometry and A	tomic Absorption
Spectroscopy.	[5]
2. What is the effect of energy on population of atoms in different	ent energy levels?
	[5]
3. Write down the basic equation used for Atomic fluorescence.	. Describe its
parameters.	[5]
Part B	
4. Define chemical shift and discuss how it is measured.	[5]

5. Give the ideal relative intensities for signals in NMR spectra by Pascal's

What are the characteristics of the solvent and internal standard used in the

NMR spectroscopy and name some solvents and internal standard that are used

[5]

[10]

triangle rule.

in NMR spectroscopy.