

ADMISSION NUMBER								

School of University Polytechnic Diploma in Electrical Engineering

Mid Term Examination - May 2024

Duration: 90 Minutes Max Marks: 50

Sem II - N1DF101C - Basic Chemistry

General Instructions Answer to the specific question asked Draw neat, labelled diagrams wherever necessary Approved data hand books are allowed subject to verification by the Invigilator

1)	Explain co-ordinate bonding with examples.	K2 (2)		
2)	Define Hund's Rule of maximum multiplicity.			
3)	Explain the limitations of Valence Bond Theory (VBT).			
4)	Explain de Broglie'e hypothesis.			
5)	Identify the observations of gold foil experiment.			
6)	Identify Molecular Orbital Diagram for (Homo-diatomic) Helium (He2).			
7)	Analyze Valence bond theory (VBT) in detail with suitable examples.	K4 (8)		
8)	Simplify the structure of atom by using Bohr's model.	K4 (12)		
	OR			
	Compare the limitation of VBT & MOT theory.	K4 (12)		