ADMISSION NUMBER



School of University Polytechnic

Diploma in Civil Engineering Semester End Examination - Jul 2024

Duration : 180 Minutes Max Marks : 100

Sem I - N1DF105C - 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 Chemical bonding with examples.	K1(2)
2)	Summarize the various types of corrosion.	K2(4)
3)	Explain why reactive metals get oxidise easily.	K2(6)
4)	Utilize all four quantum numbes to find the values for 5d orbital.	K3(9)
5)	Identify the Physical properties of lubricants in detail.	K3(9)
6)	Explain Wet Corrosion or Electrochemical Corrosion in detail.	K5(10)
7)	Compare dry theory & acid theory of corrosion.	K4(12)
8)	Explain , Nitrogen exists as molecule or not & find bond order with	K5(15)
	the help of Molecular Orbital theory (MOT).	
9)	Analyze about Oil paint, Vehicle, modified oils.	K5(15)
10)	Discuss Metallic bonding with the help of electron gas (sea) model.	K6(18)