

Hall Ticket No: 160923733152

Course Code: U23CH201



LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY

(UGC Autonomous)

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B.E-II SEMESTER, CONTINUOUS INTERNAL EVALUATION-I, JUNE, 2024
ENGINEERING CHEMISTRY
(Common for CIVIL/MECH/CSE/CSD)

Time: 60 min.	Date: 14-06-2024 FN	Max. Marks :20
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Instructions to the Students:

- Question No. 1 is Compulsory

- Answer any 2 Questions from Q.No.2 –Q.No.4

CO BTL

1.	a.	Write the half cell Reactions and Complete Cell Reaction of the following cell $\text{Na}/\text{Na}^+ // \text{Cu}^{+2}/\text{Cu}$.	[2]	CO1	BTL2
	b.	Calculate Temporary and Permanent Hardness of a water sample containing $\text{CaSO}_4 = 2.72\text{mg/l}$, $\text{MgCl}_2 = 1.9\text{mg/l}$	[2]	CO2	BTL3
	c.	Write the polymerization reaction of Nylon 6,6.	[2]	CO3	BTL1
2.		Derive Nernst Equation and mention its applications.	[7]	CO1	BTL3
3.		Explain the Corrosion Control Methods i) Sacrificial anodic Protection ii) Impressed Current Cathodic Protection iii) Electroless Nickel Plating	[7]	CO2	BTL2
4.		Define Polymer. List down the differences between Thermoplastic Polymers from Thermosetting Polymers.	[7]	CO3	BTL3

Bloom's Taxonomy Levels (BTL)

I. Remembering	II. Understanding	III. Applying	IV. Analyzing	V. Evaluating	VI. Creating
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