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PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations –October 2025	
Date: 09-10-2025	Time: 11.45am to 01.15pm

School: SOE	Program: B. Tech.	
Course Code : CHE2507	Course Name: INDUSTRIAL CHEMISTRY	
Semester: III	Max Marks: 50	Weightage: 25 %

CO - Levels	C01	C02	C03	C04	C05
Marks	26	24			

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks. 5Q x 2M=10M

1	Define polymer with example	2 Marks	L1	C01
2	Name two ingredients of cement.	2 Marks	L1	C02
3	Explain feldspar.	2 Marks	L2	C02
4	State two functions of lubricants.	2 Marks	L2	C01
5	Give two examples of synthetic rubbers.	2 Marks	L2	C01

Part B

Answer the Questions. Total Marks 40M

6.	a.	Classify plastics and differentiate between them with examples.	10 Marks	L3	C01
Or					
7.	a.	Illustrate the mechanism of hydrodynamic lubrication with a	10 Marks	L3	C01

		neat diagram			
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8.	a.	Discuss manufacturing and setting process of Portland cement.	10 Marks	L2	CO 2
Or					
9.	a.	Describe the process of manufacturing ceramics.	10 Marks	L2	CO 2

10.	a.	Describe the preparation, properties, and applications of Teflon.	10 Marks	L2	CO 1
Or					
11.	a.	Describe natural rubber, its limitations, and the process of vulcanization.	10 Marks	L2	CO 1

12.	a.	Write short notes on refractories, their classification with examples and the essential criteria for a good refractory material.	10 Marks	L2	CO 2
Or					
13.	a.	Explain detailed classification of traditional ceramics and advanced ceramics with suitable examples and applications.	10 Marks	L2	CO 2