

MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY,
BHOPAL

MID-TERM EXAMINATION

SECTIONS: F, G, H, I & J

SEMESTER -1st (ODD 24-25)

SUBJECT- ENGINEERING CHEMISTRY

SUBJECT CODE: CHY 24107

Time: 60 Minutes

MM: 20

INSTRUCTIONS: Attempted all the questions.

Course Outcomes (COs)
CO2 : To understand fundamentals of solid , liquid and gaseous fuels
CO3 : To learn various mechanism and properties of liquid , semi- solid and solid lubricants
CO5 : To enhance knowledge on the preparation and properties of polymers and cement

Ques	UNITS	Marks	COs
1.	Define and Explain the preparation, properties and uses of Addition and Condensation polymers (2Examples).	2	CO5
2.	What is Vulcanization? How it brings about changes in properties of rubber? Give applications of vulcanization	2	CO5
3.	Write the setting and hardening process of the Cement in detail.	2	CO5
4.	Write short note on RCC and white cement.	2	CO5
5.	Explain Extreme pressure lubrication.	3	CO3
6.	Write a note on semi solid and solid lubricants. Write their types, properties & uses.	3	CO3
7.	Write classification of fuel . What are the various criteria for the selection of fuel? Elaborate any one criterion.	3	CO2
8.	Explain the Octane and cetane number.	3	CO2