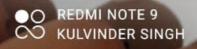


ix. Which one of these is incorrect statement for Thermosetting polymers?	1
a) They are reusable after heating b) They can be stretched repeatedly	
c) They cannot be remolded	
d) They are resistant to deformation under load x. Tubeless tyres are made of rubber, which is a co-polymer of isoprene	1
and isobutylene a) Butyl b) Nitrile	
c) Silicone () Neoprene	
	4 "
Q.2 i. What are greases and how they are classified? ii Define viscosity, how it is classified? What are the factors affecting it and	6
what is viscosity index? OR iii. Describe aniline point, saponification value and neutralisation number with its significance.	6
	4 "
Q.3 i. What is vulcanization of rubber and mention its advantages?	6 0
O.3 i. What is vulcanization of rubber and mention is advantage. ii. Write notes on preparation, properties and uses of Nylon 66 and Teflon. OR iii. Discuss preparation, properties and uses of PVC and Neoprene	6
	2 "
Q.4 in Define lubricant. How they are classified? ii. What are the differences between thermoplastic and thermosetting resins?	3 5
ii. What are the differences and to demonic liderication.	3
iii. Explain the mechanism of Hydrodynamic tublication. OR y What are biopolymers? Give various advantages of biopolymers	29
OR Jy What are Dioposystems	



Total No. of Questions: 4



Programme: B.Tech.

Enrollment No.....

Faculty of Engineering Mid Sem I Examination April -2022 EN3BS14 Engineering Chemistry

Branch/Specialisation: All

a B c d rt a b c d th a b c d re a

Duration: 2 Hrs.		Maximum Maximum
a) c) ii. The	et the incorrect statement about) It acts as seal) It acts as coolant friction is needed to be reduced i) Increase the load b) Increase the consumption el	d) It enhances corrosion d because
	Reduces the excesses heat g Increases the excesses heat cosity index is zero for	generated
	 a) Paraffin base gulf oil b) Paraffin base Pennsylvania b) Napthanic base gulf oil c) Napthanic base Pennsylvania 	
v. W	hat are the lubricants used for ra	
	off drink bottles are made up of Polystyrene c) Polyester he wax present in oil raises the a) Drop point Pour point	b) Polyurea d) Polyamide
vii V	Which of the following is a copo a) Polyvinyl chloride c) Teflon	b) Nylon 66 d) Polythene