## VITHALBHAI PATEL & RAJRATNA P.T. PATEL SCIENCE COLLEGE VALLABH VIDHYA NAGAR **Y**.Y. B.Sc. SEM: VI SUB: Industrial chemistry

**INTERNAL TEST** 

DATE: 08<sup>th</sup> March 2019 TIME:10:00 am to 12:00 pm TOTAL MARKS: 50

## SUB CODE: US06CICH03 OI MCO

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Q1.MCQ	[08]
1. Which of the following is a co polymer	R. P. Science
a) ABS b) Bakelite. c) Polyethene d) Teflon.	2. Co
2. Molecular mass of a polymer is	8/ 10/ 10/
	LIBRARY
5. Formaldenyde is prepared by process of Methanol	*
a) Oxidation b) Reduction c) Hydrogenation d) sulfonation	
4. What is the Phenol formaldehyde ratio for production of resole?	. K. Nagal
a) 1: 1.4 b) 1:0.8 c) 8: 1 d) 1:1	far a stratigg
5 Which of the following are Fluoro Polymer.	
a) Poly (tetra-fluoro ethylene) b) Poly(Vinyl Fluoride) c) Poly(Vinylidine Fluoride)	d) All of these
6 Acetylene on hydrogenation yield	
a) Ethylene b) Propylene c) Methane d) Ethane	
7) is formed from dimethyl terpthalet and ethylene glycol.	
a) Polyester b) Nylon-6 c) Saran d) Orlon	de la constant de la constant
8) solution may be used as the coagulant to give SBR.	
a) Alum b) Silica c) Sulphuric acid d) Sodium carbonate.	an a
Q.2 Answer the following in short.(Attempt five, each two marks)	[10]
(1) Give the comparison of thermosetting & thermoplastic.	
<ul><li>(1) Give the name of method and techniques of polymerization.</li></ul>	7
(3) Explain cumene Process for the preparation of Phenol for PF resin.	
<ul><li>(d) Draw the flow chart of urea formaldehyde resin.</li></ul>	
<ul><li>(5) Write brief about high-density polyethylene (HDPE).</li></ul>	
<ul><li>(6) Give the Application of PVA.</li></ul>	
<ul><li>(7) Write the Reaction for the synthesis of Nylon-66.</li></ul>	
<ul><li>(7) Write the different Grade of Nylon.</li></ul>	
(8) White the uniform Grade of Hypon.	
Q.3 Write a short note on Ziegler Natta catalyst.	[08]
Q.5 White a short note on Elegior Hatta catalyst. OR	1001
Q.3 Explain Bulk polymerization & solution polymerization techniques.	[08]
Q.5 Explain Burk polymenzation de solution polymenzation teeninques.	[vo]
Q.4 Explain the Taffy process for the synthesis of epoxy resin.	[08]
Q.4 Explain the Tariy process for the synthesis of opoxy resil.	1001
Q.4 Give the important properties &uses of urea formaldehyde Resin.	[08]
Q.4 One the important properties ceuses of used formation jud Resni.	[00]
Q.5 Described the manufacturing process for LDPE by High-pressure proce	ess. [08]
OR	1001
Q.5 Write a note on PTFE.	[08]
Q6 Write a note on Styrene butadiene rubber.	[08]
OR OR COLLECTION OR COLLECTION OF COLLECTION	
Q6 With suitable flow diagram explain the manufacturing of Polyester fibe	er [08]

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