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CHEMIS (viv)	STRY, PAPER-II	matagraphic congration of organic composi-	90
(xix)	(a) Activated charcoal (b) Fuller's Earth	(c) Alumina (d) Silica	De Se
(xx)	Grignard reagent is:		
	(a) Organo Zinc halide	(b) Organo cadmium bromide	
	(c) n-Butyl Lithium	(d) Organo Magnesium halide	
	<u>P</u> 2	<u>ART – II</u>	
NOTE:	STRY, PAPER-II The most commonly used absorbent for chror (a) Activated charcoal (b) Fuller's Earth Grignard reagent is: (a) Organo Zinc halide (c) n-Butyl Lithium <u>P</u> / (i) PART-II is to be attempted on the sep (ii) Attempt ONLY FOUR questions from (iii) Extra attempt of any question or an considered.	parate Answer Book. m PART-II . All questions carry EQUAL ny part of the attempted question will	marks. not be
(a) (b) (c)	What is mesomerism? Give the conditions r What is intramolecular and intermolecular h Indicate the type of hybridization of carbon (i) Formaldehyde (ii) Dimethylether	hydrogen bonding? Illustrate with exampl	(4)
Q.3. (a) (b)	What is Diazotisation reaction? How will you prepare following via Diazotisation reaction?(i) Phenol(ii) Chlorobenzene(iii) Phenyl ethyl ether(iv) any dyeDiscuss the action of nitrous acid on secondary and tertiary amines.		
Q.4. (a) (b)	How will you synthesize following? Give reaction conditions and mechanism.(i) Acetaldehyde from Ethanol(ii) Benzaldelyde from Benzene(iii) Cyanohydrin from acetaldehyde(iv) Salicyldehyde from PhenolWhat is the difference between clemmensen and wolff-kishner reduction?		
2.5. (a)	Discuss the structure of Grignard Reagent.		(4)
(b)	How these compounds can be prepared via (i) 2-Butanol (ii) Ethane	Grignard Reagent? (iii) Acetic Acid (iv) Ethy	(16)
.6. (a) (b)	 Explain the difference between: (i) Homopolymer and Copolymer (ii) Addition Polymerization and Condens (iii) Monosaccharide and Polysaccharide (iv) α-D-glucose and β-D-glucose Write the structure of monomers from whic 	sation Polymerization	(16)
	(i) PVC (ii) Teflon	(iii) Nylon 6 (iv) PA	
(b) (c)	Hydrolysis of Ethylacetate by sodium hydroxide is done by taking different initial concentrate What will be the rate of this reaction? A second order reaction has equal concentrations of reactants and is 25% completed in 20 min How much time is required to complete the reaction by 75%? Express the rate of reversible decomposition of Phosphorus pentachloride into Phosphorus trichloride and chlorine in terms of reactants and products.		
).8 .	How would you prapre the following comp (i) Acetophenone (ii) Bromobenzene		• • •

Benzaldehyde (v)
