1-1

Repeating Unit & name

a) CH2=CH-COOH

poly(acrylic acid)
-{CH2-CH-}
-COOH

CH₂ = C - C - O - CH₃

CH3 -{CH2-C-} C=0

boly (methyl methy) acrylate)

c) CH2=CH-0-2-CH3

ECH2-CH-]

CH3

boly(Vinyl a cetate)

d> CHZ=CH-CH3

ECH, - CH}

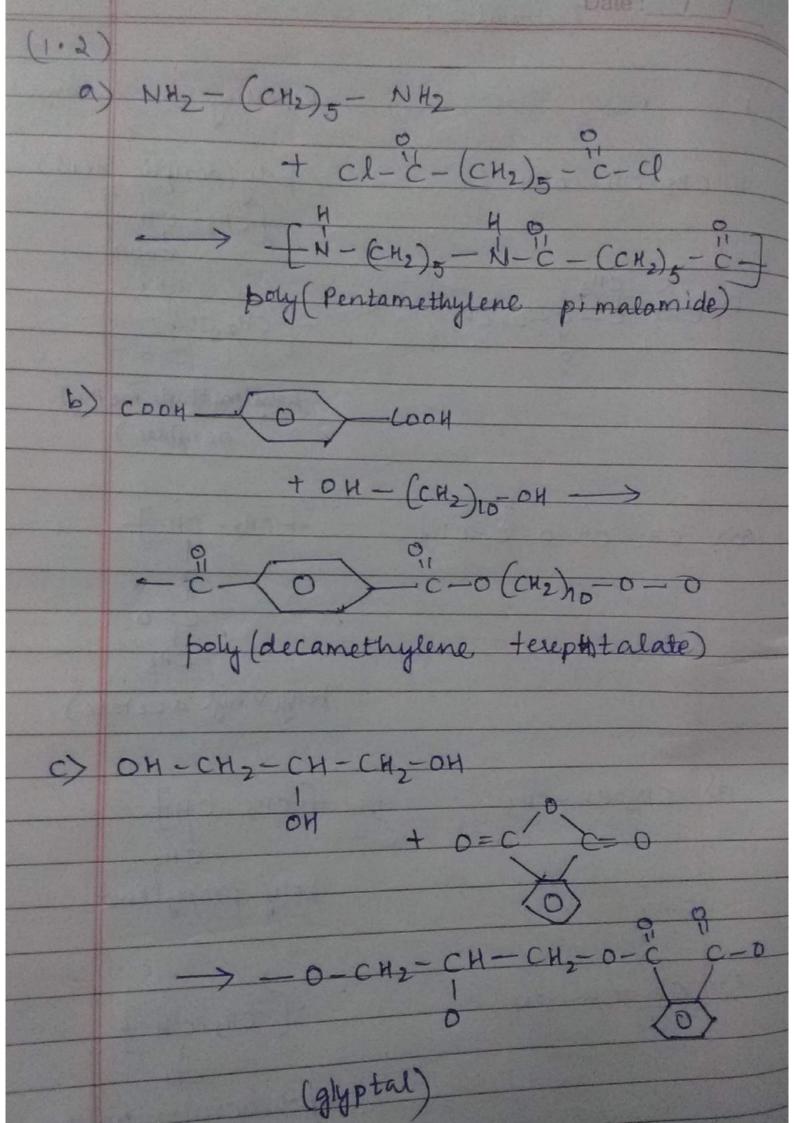
CH3

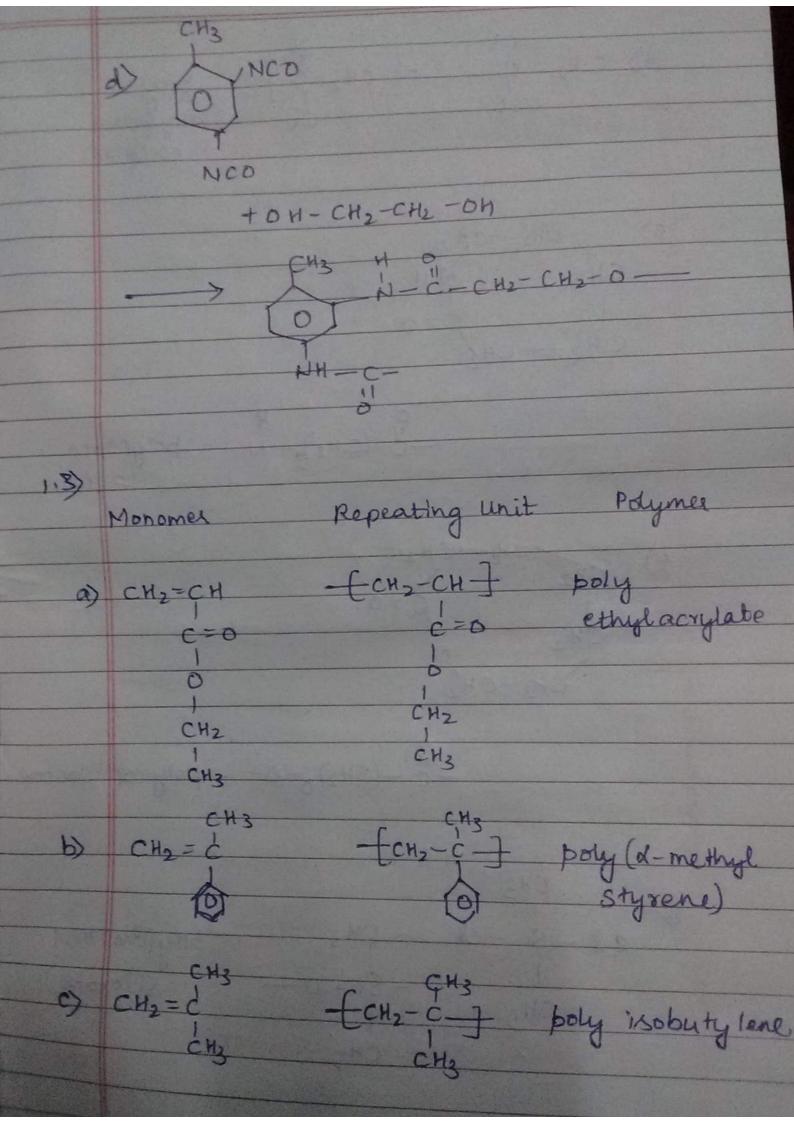
poly propylene

e) CH2=CH-CN

ECH2-CH-)

polyacrylonitrate





d) CH2= cl = cl = cl poly (Vinylidene chloride) - c-(снг)- N- рочусарго - 1 - (CH2) 5-0- poly caprolactore

-0-(CH2)4 poly(tetra methylene oxide) polymer 1.4 No inear 6) d) J) 2 h)

a) M.W. of repeating unit = 1139 Total M.W. = 113 x 103 g/mole b) M.W. of repeating unit = 192 g Total M-W= 192 X103 g/mole c) M.W. of repeating unit = 1189 Total M-W. = 118 x 163 g/mole d) M·W. of repeating unit = 254 Total M.W. = 254 X103 g/mole a> -0-(CH2)2-0-C-(CH2)2b) - 0 - (CH2)2 - 0 - 6 - (CH2) 8 - 0 C> -0- (CH2)6-0-C d> -0-(CH2)4-0-0-0

CH = CH hydrolysis OH- 2-CH=CH-C-OH + OH-(CH2)9-04 -C-CH=CH-C-0-(CH2) - 0-CH-CH2 (styrene) - C- CH2- CH-C-0- (CH2) q- D OH- C-(CH2)4-C-OH + OH- (CH2)4-OH -C-(CH2)4-C-0- (CH2)4-0-This is a poly ester without a possibility with styrene since there are no residual double bonds.

	residual double bond in the
	main chain
101	
1.97	For being a good adhesive, cross
	linked smicture must be formed by
	the reactants
	The reactions
	HCHO - 9 OH-CH2-OH
	so to form cros-linked structure with
	HCHO, phenolic compound must be
	trifunctional
	pituncional
	DH
	1
	ŔR
1.10	Name of Amine functionality
	Name of Amine functionality
	0: -11. 1
	Di-ethylene triamine 5
	Triethylene terramina
	Tetra-ethylene pentamine 7
	Penta attitude 7
	Penta ethylene hexamine 8