Evam Soat No.		Enrollment No:							
Exam Seat No:		C II SHAH IIN	C.U.SHAH UNIVERSITY						
Wadhwan City									
Subject (	Code: 4SC0CHC1	Summer Examina		Date: 30/05/2014					
Subject M	Name: Chemistry-II								
	Semester:- B.Sc(Pure Science/ ition: Regular	Time:2:00 To 5:00							
Instructi									
(2) Use of (3) Instru (4) Draw	npt all Questions of both section Programmable calculator & actions written on main answences (If neat diagrams & figures (If ne me suitable & Perfect data if	any other electronic instrume or Book are strictly to be obey cessary) at right places	ent is prohibited.						
		SECTION -	I						
0-1 C	ompulsory question.								
1.	Write down the struct	ures of followings:		2					
a)	p-toluidine	C	c) Allyl alco	ohol					
b)	p-amino phenol		d) Diisopro	pyl ether					
2.	Explain HCP crystal s	structure		2					
3.	Give the conversion of	of Aniline to Acetanilio	denive	1					
4.	Define terms	CXI	N BHARTIZE TO	2					
a)	Isomerism	U O U	b) Coupling	reaction					
Q-2 D	iscuss the following q	uestions	Trade application of the Property of the Prope						
1.		Gives the characterizati	on of ionic solid.	5					
2.	Write a note on			4					
a)	Geometrical isomeris	m	b) Stereo iso	omerism					
3.	Answer the following	questions:	,	5					
a)	Detailed industrial pro	•	Dow process						
,	Hoffmann Degradation		1						
OR									
Q-2 D	iscuss the following q	uestions							
1.	Relative acidity of alc	ohols and phenols		4					
2.	Give the difference be	etween		5					
a)	VBT and MOT		b) Bonding and	d Anti bonding					
3.	Explain the following	name reactions:		5					
a)	Reimer Tiemann Read	ction							
b)	Williamson synthesis								
Q-3 D	iscuss the following q	uestions							
1.		vel diagram, magnetic	properties and bo	nd order of following 7					
a)	NO	b) F <sub>2</sub>		c) Li <sub>2</sub>					
2.	Answer the following	question:		7					
a)	Physical properties of	Amines.							



b)	What is diazotization? Explain Coupling reactions of diazonium salts <b>OR</b>							
Q-3 Di	iscuss the following questions							
1.	Physical and chemical properties of alcohol	7						
2.	Physical and chemical properties of ether.		7					
	SECTION – 1	II						
Q-4 A	7							
1.	Define the following terms:			5				
a)	Anode	d)	EMF					
b)	Photochemistry	e)	Photosensitization					
c)	Quantam Yield							
2.	Role of salt bridge used in electrochemical cell.	1						
3.	Write full forms of TDS and TSS.			1				
Q-5 Discuss the following questions								
1.	What is common ions effect and explain the con	mm	on ion effect of NH <sub>4</sub> C	l and NH4OH?				
				5				
2.	What do you mean by Lambart-Beers Law and			5				
3.	3. Explain Galvanic cell with the neat and clean diagram							
0.50	OR	A STATE OF THE PARTY OF THE PAR	TY S					
	iscuss the following questions	DESTINA		~				
1.	Explain Nernst Equation and its application.			5				
2.	Write a note on followings:	5						
a)	Fluorescence							
3.	Write notes on Acidity and basicity by titration			4				
0 ( D								
_	Q-6 Discuss the following questions							
1.	1. Define reference electrodes, Explain primary and secondary reference electrodes with							
2	neat and clean diagram.	7						
2.	Define Catalyst and explain types of catalyst in	aeta	alis.	7				
	OR							
O-6 Di	iscuss the following questions							
1.	Define hardness. Explain method of titration for	r:		7				
a)	Complexometric method	b)	Soap method	,				
2.	Write note on followings:	٠,	p	7				
a)	Flame test	c)	Borex Bead test	-				
b)	Charcoal test	d)	Cobalt nitrate test					
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