## No. of Printed Pages : 01 V. P. & R. P. T. P. SCIENCE COLLEGE, V. V. NAGAR. INTERNAL TEST: OTCOBER-2016 T. Y. B. Sc. Semester-V

## Sub.:- Inorganic Chemistry (US05CCHE04)

Date: 04/10/2016	04/10/2016 Total Marks:2	
Day: Tuesday	Time: 11.00 A.M. To 12.30 P.M.	
Note: (i) All questions are to be attempt	oted.	
(ii) Figures to the right of each qu	uestion indicate full mar	ks.
<b>O</b> : 1 Give the most correct choice to the fo	llowing multiple choice qu	estions. [3]
(i) solvent does not undergo self	ionization.	
(a) liq. $SO_2$ (b) liq. HF	(c) liq. $C_6H_6$	(d) liq. NH <sub>3</sub>
(ii) Ammonia is a		
(a) Bronsted base (b) Lewis bas	e (c) neither (a) or (b)	(d) both (a) & (b)
(iii)The glass which contains about	% silica is called high sil	ica glass
(a) 85% (b) 96%	(c) 90%	(d) 99%
Q: 2 Answers the following short questions(any two).		
(i) Explain the term "Amphiprotonic substances".		
(ii) Discuss the mechanical properties o	f ceramics.	
(iii)Write the polymerization of process	for dialkyl-dihydroxy-silan	е.
Q:3[A]Discuss liquid ammonia as a non aqueous solvent under following following heads. [3]		
(1) Metathetical reactions (11) Redox	reactions	[2]
<b>[B]</b> Discuss the classification of Lewis a	cids	[3]
	OR	1 1 1
<b>Q</b> : <b>3</b> [ <b>A</b> ] "Relative acidic strength of oxy acids of chlorine follows oxidation state rule, while		
In at of phosphorus does not follow. Explain giving suitable examples.		mples. [3]
[B]Describe the general chemical reaction	ons that occur in ionizing sol	Ivent. [3]
<b>O</b> : 4[A]] ist important stans involve for man	ifacture of coromics product	and give an account [3]
of kneeding and jollying	fracture of cerannes product	and give an account [5]
<b>B</b> Write note on recuperative not furne	CP CP	[3]
	OR R.T.F	Science [3]
$\mathbf{O} \cdot 4[\mathbf{A}]$ Discuss the application of colour of t	ottery v	(3)
[B]Describe fused silica glass and optic	al glass	RARY [5] [3]
[ <b>D</b> ]Deserve rused since glass and optica	# gluss.	
<b>O</b> : <b>5</b> [A]Discuss the inorganic benzene under	headings:	Nagai [3]
(i) Preparation (ii)	Chemical properies	
<b>B</b> IGive an account on imides of sulphu	r.	[3]
r-1 manage of parking	OR	[0]
<b>O</b> : <b>5</b> [A]What are silicones. Describe high thermal silicones and silicon oil in detail.		il in detail. [3]
<b>[B]</b> Discuss the structure of cyclic triphosphonitrilic chloride.		[3]