VITHALBIIAI PATEL & RAJRATNA P.T. PATEL SCIENCE COLLEGE

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T.Y. B.Sc. SEM: V

INTERNAL TEST

DATE: 04th Oct. 2017

Industrial chemistry (Vocational)

HEAVY AND FINE INORGANIC CHEMICALS

TIME: 11:00 am to 12:30 pm

TOTAL MARKS: 25

SUB CODE: US05CICV02

Q. 1	CHC	OOSE THE CORRECT ANSWER. [03]	
(1)	On w	which content of the raw material, the yield of the phosphorous based on?	
	(A)	Silica (C) Calcium phosphate	
	(B)	Coke (D) None of these	
(2)	In sodium sulfate manufacturing, at which temperature salt enriched brine leaving the		
	well	is chilled?	
	(A)	$0^{0}\text{F}-5^{0}\text{F}$ (C) $10^{0}\text{F}-15^{0}\text{F}$	
	(B)	$15^{0}\text{F}-20^{0}\text{F}$ (D) $20^{0}\text{F}-25^{0}\text{F}$	
(3)	What	t is the oxidation state of chromium in chromic acid?	
	(A)	+3 (C) +6 (a: LIBRARY)	
	(B)	+4 (D) -6	
		V. Wagos	
Q.2	Ansv	ver the following in short.(Attempt any two) [04]	
(1)		st the raw materials required for manufacture of superphosphate.	
(2)			
(3)	Write	e properties and uses of perchloric acid.	
Q.3	(A)	With the help of flow diagram explain the manufacture of ammonia. [06]	
		OR	
Q.3	(A)	With the help of flow diagram explain the manufacture of triple super [06]	
		phosphate.	
Q.4	(A)	With the help of flow diagram explain the manufacture of fluorine [06]	
		OR	
Q.4	(A)	With the help of flow diagram explain the manufacture of sodium [06]	
		thiosulfate.	
Q.5	(A)	With the help of flow diagram explain the manufacture of sodium [06]	
		borohydride.	
		OR	
Q. 5	(A)	Explain the leblanc process for manufacturing of soda ash. [06]	