

(A)

 XeO_3

(B)

 XeF_4

Date Planned :/_/_				Daily Tutorial Sheet-4				Expected Duration : 90 Min				
Actual Date of Attempt : / /				JEE Main (Archive)				Exact Duration :				
46.	Choos	e the incorrect fo	rmula c	out of	the fo	ur con	npound	s for an eleme	nt X given	below:		(2015)
	(A)	X_2Cl_3	(B)	X_2	O_3		(C)	$X_2(SO_4)_3$	(D)	XPO_4		
47.	Chlori	ne water on stan	ding los	es its	colou	r and	forms :				\odot	(2015)
	(A)	HCl only					(B)	HOCl and H	$IOCl_2$			
	(C)	HCl and HOCl					(D)	HCl and HC	2 lO $_2$			
48.	Which	one has the high	hest boil	ling p	oint ?							(2015)
	(A)	Kr	(B)	Xe			(C)	Не	(D)	Ne		
49 .	The re	action of zinc wit	th dilute	and	conce	ntrate	d nitric	acid, respectiv	ely produ	ces:		(2016)
	(A)	$\mathrm{N}_2\mathrm{O}$ and NO_2	(B)	NC	0_2 and	NO	(C)	NO and N_2 O	(D)	NO_2 and	N_2O	
50 .	The pa	The pair in which phosphorus atoms have a formal oxidation state of +3 is: (20)										
	(A) orthophosphorous and pyrophosphorous acids(B) pyrophosphorous and hypophosphoric acids											
	(C)	orthophosphor										
	(D)	pyrophosphoro	ous and	pyrop	phosph	ioric a	cids					
51 .		on-metal that doe				ve oxi						(2016)
	(A)	chlorine	(B)	iod	ine		(C)	fluorine	(D)	oxygen		
52 .		y the incorrect s								\odot	(2016)	
	(A)	The $S-S-S$ bond angles in the S_8 and S_6 rings are the same										
	(B)	Rhombic and monoclinic sulphur have S_8 molecules										
	(C)	S ₂ is paramag			<i>r</i> gen							
	(D)	S ₈ ring has a	crown s	паре								
53 .		oduct obtained v	vhen ch	lorine	e gas r	eacts				aOH are :		(2017)
	(A)	Cl ⁻ and ClO ⁻	_				(B)	Cl ⁻ and ClO	_			
	(C)	ClO and ClO	-				(D)	ClO_2^- and Cl	-			
54 .		umber of $S = O$	and S	- OH	bond	s pres	sent in	peroxodisulpl	huric acid	l and pyros		
	respec	tively are : (4 and 2) and (4 and 9)			(B)	(2 and 4) and	d (2 and 4)		(2017)
	(C)	(4 and 2) and ((D)	(2 and 1) and (2 and 2) and				
55 .		orrect sequence o			numbe	er of τ					4 and	HoSoOz
50.	is:	set sequence o		s		01 01 /	, bollus	, in the struct		2003, 11200	4 and	(2017)
	(A)	$H_2SO_3 > H_2SO_3$	$O_4 > H_2 S$	S_2O_7			(B)	$H_2SO_4 > H_2$	$S_2O_7 > H_2$	$_2$ SO $_3$		•
	(C)	$H_2S_2O_7 > H_2S$	O ₃ > H ₂	SO_4			(D)	$H_2S_2O_7 > H$	$_2$ SO $_4$ > H $_2$	$_2$ SO $_3$		
56 .	XeF_6	on partial hydrol	lysis wit	h wa	ter pro	duces	a comp	oound 'X'. The	same con	npound 'X' i	s form	ed when
	XeF_6	reacts with silica	a. The co	mpo	und 'X	' is :						(2017)

(C)

 XeF_2

(D)

 $XeOF_4$



57 .	The nu	umber of P-Ol	H bonds	s and the oxida	ition sta	ite of phosphor	us atom	i in pyrophosph	ioric acid
	(H_4P_2C)	0 ₇) respectively	are:						(2017)
	(A)	1	(B)	2	(C)	3	(D)	4	
58 .	The co	mpound that do	es not pr	oduce nitrogen g	gas by th	e thermal decor	nposition	n is :	(2018)
	(A)	$Ba(N_3)_2$	(B)	$(\mathrm{NH_4})_2\mathrm{Cr_2O_7}$	(C)	$\mathrm{NH_4NO_2}$	(D)	$(NH_4)_2SO_4$	
59.	Xenon hexafluoride on partial hydrolysis produces compounds 'X' and 'Y'. Compounds 'X' and 'Y' oxidation state of Xe are respectively:								
	(A)	$XeO_2F_2(+6)$ ar	+4)	(B)	$XeOF_4(+6)$ and $XeO_2F_2(+6)$				
	(C)	XeOF ₄ (+6) and	d XeO ₃ (+	6)	(D)	$XeO_2(+4)$ and $XeO_3(+6)$			
60.	The nu	mber of P-O b	onds in	P_4O_6 is:					(2018)
	(A)	18	(B)	12	(C)	9	(D)	6	