CHEMISTRY SECTION-A

						.011 11			
51.	The la	aw of tr	iad is a	applicable to a gr	oup of				
	(1) Cl,	,Br,I		(2)C,N,O		(3)Na,K,Rb		(4)H,O,N	
52.53.54.	Assertion (A) Mendeleev left the gap under aluminium and silicon and called these Eka-Aluminium and Eka-Silicon respectively.								1-
	Reason (R) Dobereiner arranged elements on the basis of increasing atomic number.								
	(1) Both A and R are correct; R is the correct explanation of A								
	(2) Both A and R are correct; R is not the correct explanation of A								
	(3) A is correct; R is incorrect								
	(4) R is correct; A is incorrect								
	The molecular formula of chloride of Eka-Aluminium and Eka-Silicon respectively are								
	(1) $GaCl_3$ and $SiCl_4$ (2) $GaCl_3$ and $AlCl_3$ (3) $AlCl_3$ and $SiCl_4$ (4) $GaCl_3$ and $GeCl_4$								
				eriods in the Pe			4	() = 11 = 13 11 11 = 1 = 14	
		tonoids	-	(2) lanthanoid		(3) Both (1) a	nd (2)	(4) None	
55	` '			more electronega		• , , , , ,	- ()	()	
	Statement (II): F has high electron affinity than CI.								
	(1) Both Statement (I) and Statement (II) are correct; Statement (II) is the correct explanation of								of
	Statement (I).								
	(2) Both Statement (I) and Statement (II) are correct; Statement (II) is not the correct explanation								n
	of Statement (I).								
	(3) Statement (I) is correct; Statement (II) is incorrect								
	(4) Statement (I) is incorrect; Statement (II) is correct								
56.	The fifth period in the Periodic Table which transition series.								
• • •	(1) 3d	-		(2) 2d		(3) 4d		(4) 5d	
57.	` '		olumn I	` '	and sele	` '	swer by	` '	
	Match the Column I with Column II and select the correct answer by given codes. ColumnI (Element types)								
	A. Inert - gas elements								
	B. Trasition elements								
	C. Inner - transition elements								
	Column II (Electronic configuration)								
	1. $(n-1)d^{1-10}ns^{1-2}$								
	2. ns^2 to ns^2np^6 3. $(n-2)f^{1-14}(n-1)s^2p^6d^{0-1}ns^2$								
	3. (<i>n</i> -								
	(4)		В						
	(1)	1	2	3					
	(2)	2 3	1	3					
	(4)	2	3	1					
58.	Electronic configuration of Zn, Cd and Hg is (1) $(n-1)d^{10}ns^2$ (2) $(n-1)d^9ns^2$ (3) $(n-1)d^8ns^2$ (4) $(n-1)d^8ns^2np^1$								
	•	,		` ,		` ,		, ,	
59.	"The properties of the elements are periodic function of their atomic numbers." The statement was given by								
	(1) N.	-		(2) J.W. Dobei	reiner	(3) D.I. Mend	leleef	(4) H.G.J. Moseley	
60.	` '		with a	tomic number 1		` '		()	

(3) Halogens

(1) Light metals

(2) Inert gases

(4) Rare-earths