Name:		Date			
Topic	Deviadio Table and Deviadio for				
Topic: Periodic Table and Periodicity Type of Questions Single choice Objective ('-1' negative marking) Q.1 to Multiple choice objective ('-1' negative marking) Q.5 Comprehension ('-1' negative marking) Q.7 Subjective Questions ('-1' negative marking) Q.8			(3 marks, 3 min.) (4 marks, 4 min.) (3 marks, 3 min.) (4 marks, 5 min.)	M.M., Min. [12, 12] [8, 8] [3, 3] [4, 5]	
1.	Li resembles Mg due to diagonal relationship wh (A) nearly similar polarising power (C) penetration of sub-shells	(B) same value	o : of electron affinity ective nuclear charge		
2.	Atomic number of 15, 33, 51 represents the followard (A) carbon family (B) nitrogen family	number of 15, 33, 51 represents the following family : oon family (B) nitrogen family (C) oxygen family (D) None			
3.	The element with atomic number $Z = 118$ will be (A) noble gas (B) transition metal	: (C) alkali metal	(D) alkanline ea	arth metal	
4.	What is the position of the element in the Modern periodic table satisfying the electronic configuration $(n-1)$ d ¹ ns ² for n = 4 : (A) 3rd period and 3rd group (B) 4th period and 4th group (C) 3rd period and 2nd group (D) 4th period and 3rd group				
5.*	Which of the following statement(s) is/are correct? (A) An element with three electrons in the outer most subshell belongs to nitrogen family. (B) An element that would tend to lose two electrons belongs to alkaline earth metal group i.e. 2 nd group. (C) An element that would tend to gain two electrons belongs to chalcogen family i.e. 16 th group. (D) 17 th group have only non-metals which may exist as solid, liquid as well as gas at room temp.				
6.*	Which of the following statements are correct? (A) In the long form of periodic table, the number of period indicates the value of principal quantum number. (B) There are four d-block series comprising of total 40 elements in the long form of periodic table. (C) s-block, d-block and f-block elements are metals. (D) All p-block elements are non-metal.				
7.	Comprehension # Read the following comprehension carefully and answer the questions (a) to (c). Two friends Rohit and John, students of chemistry once discussing on periodic table, reach to a conclusion that because of Aufbau rule and other principles their thoughts are restricted for further discussion on electronic arrangements of atoms. They decided not to obey Aufbau rule and capacity of each orbital is increased to three electrons i.e. instead of two each orbital can take maximum of three electrons. Now on the basis of new arrangement of rohit and john answer the following questions assuming the total no. of elements is 112.				
	(a). What is the number of elements in third peri (A) 12, 27 (B) 27, 22	od and fifth period (C) 12, 22	d respectively? (D) 22, 27		
	(b). What is the block of the elements with atom (A) s, p, d (B) p, s, d	ic number 9, 28, 4 (C) p, d, s	14 ? (D) d, p, s		
	(c). What is electric configuration of the element (A) 1s ² 2s ³ 3p ⁹ 3s ³ 3p ⁹ 3d ¹³ (C) 1s ² 2s ² 2p ⁶ 3s ² 3p ⁶ 3d ¹⁰ 4s ² 4p ⁶ 5s ² 4d ²	t with atomic num (B) 1s³2s³ 2p³3s (D) 1s²2s³2p³3s	s³3p93d¹54s¹		
8.	Total Number of elements which are belong to sa Li, Na, Mg, F, Ne,Sc, P				

Max-marks: Marks obtained: Sign