



# Pareeksha Kirana – 2021

From Team Vijnana Kirana

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## CHEMISTRY

### Ch : 5 PERIODIC CLASSIFICATION OF ELEMENTS -2

- Which of the following is the correct increasing order of the atomic radii of the elements oxygen, fluorine and nitrogen?  
a) O < F < N      b) N < F < O      c) O < N < F      d) F < O < N
- The elements A, B and C belong to group 2, 14 and 16 respectively, of the periodic table. Which of the elements will form covalent bonds?  
a) A and B      b) B and C      c) C and A      d) A
- An element X belongs to the 3<sup>rd</sup> period and 1<sup>st</sup> group of the periodic table. What is the number of valence electrons in its atom?  
a) 1      b) 3      c) 6      d) 8
- An element M is in group 13<sup>th</sup> of the periodic table, the formula of its oxide is  
a) MO      b) M<sub>2</sub>O<sub>3</sub>      c) M<sub>3</sub>O<sub>2</sub>      d) MO<sub>2</sub>
- Observe the table and identify the formula of oxide of lithium  

<b>2nd period -</b>	<b>Li</b>	<b>Be</b>	<b>B</b>	<b>C</b>	<b>N</b>	<b>O</b>	<b>F</b>	<b>Ne</b>
<b>Valency</b>	- 1	2	3	4	3	2	1	0

  
a) LiO      b) Li<sub>2</sub>O      c) LiO<sub>2</sub>      d) Li<sub>2</sub>O<sub>3</sub>
- In the second period the most metallic element is  
a) Be - as it has more protons      b) Li - it is with least nuclear charge  
c) F - as it is most electro negative      d) Ne - as it has completely filled shell
- Electronic configuration of carbon is  
a) 2, 2      b) 2, 3      c) 2, 4      d) 2, 5
- Number of valence electrons found in the element with atomic number 19 is  
a) 1      b) 2      c) 3      d) 4
- A, B, C,D, E are the elements belongs to group 1,2,13, 14, 16 respectively. Most electronegative element in the group is  
a) A      b) D      c) B      d) E
- Correct arrangement of the elements according to increasing order of their nuclear charge is  
a) Li > Be > B > C > N > O > F      b) Li < B < Be < C < N < O < F  
c) Li > B > Be > C > O > N > F      d) Li < Be < B < C < N < O < F
- Identify the element that has the tendency to lose the electrons most easily.  
a) Ca      b) Na      c) K      d) Mg