3Class11 Science Sub: Chemistry

Assignment-1 Classification of elements& Periodicity of Properties

1)Define Mendeleev's Periodic Law & Modern Periodic Law.

2)Mention few merits & demerits of Mendeleev's Periodic Table

3)Write down the systematic name of the following elements having at no 102,108,114,119

4a) Write the general electronic configuration of d- block& f- block elements.write any four characteristics of s- block,p-block,d- block& f- block elements

b)What are isoelectronic species? Give example.

5)What is ionisation enthalpy?Mention the factors on which ionisation energy depends.

6) Define Electron gain enthalpy.Mention the factors on which electron gain enthalpy depends

7) give reasons: a)O has higher I.E than N & F. b) Be has higher IE thanB. c)F has less negative electron gain enthalpy than Cl.