

Quadrant II – Transcript and Related Materials

Programme: Bachelors degree in science

Subject: Chemistry

Paper Code: CHC-106

Paper Title: INORGANIC CHEMISTRY (SECTION A)

Unit: Periodicity of Elements

Module Name: Factors affecting ionization Energy (Part- 2)

Module No: 08

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Glossary of terms/words:

1) Columbic forces : Forces of attraction or repulsion between charged particles

2) Quantum numbers:

a) Principal or Radial quantum number (n)- corresponds to shell or level to which the electron belongs. It is directly related to size or radius of the atom

b) Subsidiary quantum number or Azimuthal Quantum number(l)- refers to the subshell or sublevel to which the electron belongs and it describes the motion of the electron. $l=0,1,2,3$ corresponds to s,p,d,f orbitals

Possible misconceptions/clarification

Case Studies and Additional Examples/Illustrations