Raniganj Girls' College
Chemistry Department

Inorganic Chemistry Questions for sem I (C-1)

1. Name the different units used in measuring radioactivity and set relations between Baquarel and other units.
2. What is half-life period of a radioelement? Set up a relation between disintegration constant and half life period.
3. Theoretically a radioactive element needs infinite time to become non-radioactive- but in reality all radioelements have finite average life period. Give explanations in favour of your answer.
4. State Soddy-Fajans group displacement law and give examples in each case.
5. Name the radioactive disintegration series which is not found in nature- give explanations.
6. What is transmutation of a radioelement can a nonradioactive element be converted into a radioactive element? Give examples.
7. Has neutron –proton ratio any role in making atomic nucleus unstable? Cite examples.
8. Average life period of a radioelement is less than double of its half life period.
9. For an ideal element the ground state electronic configuration can be obtained from electronic configuration of the corresponding ion but for transition elements same does not apply.
10. Name the rules which govern the electron configuration of elements. How ground state electron configuration be converted into excited state electron configuration.
11. Atomic number is more fundamental than atomic weight-Justify.