

Gurudas College

Internal Assessment Examination, 2020

Subject-CEMA, SEM-III

Paper- CC-3-6

Full Marks-10

Time-30 mins

Answer any 10 questions (questions are of 1 mark each)

1. Justify the trends in radius : $B < Al \sim Ga$
2. Why electron affinity of $Cl > F$?
3. How electronegativity varies with hybridization of atoms?
4. Compare the 1st Ionization Energies of Ca and Zn, both having $4s^2$ valence shell configuration.
5. Write the formula of basic beryllium acetate and basic beryllium nitrate.
6. Give the reaction for the preparation of boric acid from borax.
7. Write one anomalous behaviour of Li from others in group-I.
8. In diborane, how many types of B-H bonds are there?
9. Why graphite is slippery?
10. Draw the structure of phosphorous peroxide, P_2O_6 .
11. Show fluxional behaviour of XeF_6 with one or two structure (s).
12. Draw the shape of $XeOF_2$.
13. Give one example of ambidentate ligand.
14. Give one example of chelate compound.
15. Write the IUPAC name of $[Co(NH_3)_6][Cr(CN)_6]$.