ECR International School

Half Yearly Question - 2 mark

12th Standard

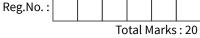
Date: 14-Jan-19

Chemistry

Time: 00:30:00 Hrs

Answer All The Question

- 1) Electron affinity of fluorine is less than that of chlorine-why?
- 2) Mention the following in the Co-ordination Compound[Co(NH_3)_4Cl_2]NO_2
 - a) ligand
 - b) central metal ion
 - c) co-ordination number
 - d) nature of the complex
- 3) Complete the following nuclear reactions:
 - a) ₇N¹⁵(p, α)_____
 - b) 11Na23(n,*β*)_____
- 4) State Le-chatlier's Principle
- 5) Identify lyophilic and lyophobic colloids formed by the following with cold/hot water:
 - a) gelatin
 - b) sulphur
 - c) protein
 - d) starch
- 6) Define standard emf of a cell.
- 7) Arrange the following in increasing order of reactivity towards nucleophilic addition-HCHO, CH₃CHO and CH₃COCH₃
- 8) How a cyclic ester is obtained from the acid which is present in milk?
- 9) Write about phospholipids.



9 x 2 = 18