

VALUE BASED QUESTIONS ON COORDINATION COMPOUNDS

Q1) (a) What is the role of coordination in society, that you learn from the chemistry of coordination?

b) A person is suffering from anaemia then which coordination compound will you suggest for recovery of the health?

Ans 1 (a) We learn that social progress can be concrete stable by coordination between the society members. The person who has enough wealth should donate its some part to the Person who needs it for its existence. :- NH_3 molecules donate lone pair of electrons to the various transition metal or ion resulting in a stable & useful complex which is also helpful in analysis of chemical samples.

(b) Complex compound of Iron in the form of Tablet or Liquid syrup with the consultation

Q2) Hard water does not form lathers with soap. Rita uses a washing powder containing sodium metapolyphosphate and ethylenediamine tetracetate (EDTA) while Sita is using ordinary washing power.

(a) Which washing powder is more effective for washing clothes in hard water and why?

(b) Name the values associated with the above passage.

ANS 2: (a) washing powder containing sodium metapolyphosphate and ethylenediamine tetracetate (EDTA)

(b) Water and Environmental conservation, Concern towards environment.

Q3 : A lots of children, working in a lead industry were rescued by NGO's activists. The children sent to the hospital and found to be excess exposure to lead so called lead poisoning.

(i) Name the ligand (compound) used for treatment of Lead poisoning.

(ii) During this rescue operation which values are shown by NGO's activists?

(iii) Write the reaction involved for removal of lead from living organism.

Ans: (a) EDTA

(b) Dignity of individual

