

QUES- 1. WRITE IUPAC NAME OF [Co (NH₃)₅NO₂] Cl₂

Sample Paper - 2014 Class - XII Subject - Chemistry

EQUILIBRIUM

ALL QUESTIONS ARE COMPULSORY

QUES-2 .	WHAT IS BRAVAIS LATTICE?
QUES -3 .	NAME THE PROCESS USED IN REFINING OF NI
QUES-4 .	La(OH) ₃ IS MORE BASIC THAN Lu(OH) ₃ WHY?
QUES-5 .	NH ₃ IS MORE BASIC THAN PH ₃ WHY?
QUES-6 . (A) (B)	GIVE REASON FOR THE FOLLOWING DELTA FORMATION TAKES PLACE AT THE JUNCTION OF RIVER WATER & SEA WATER $\rm H_3~PO_3$ IS MONOBASIC ACID.
QUES-7.	A DECIMOLAR SOLUTION OF POTASSIUM FERRO CYANIDE IS 50 % DISSOCIATED AT 300K. CALCULATE OSMOTIC PRESSUREOF SOLUTION(R= 8.314 J/K/ MOL)
QUES-8	AN ELEMENT HAS BCC STRUCTURE WITH CELL EDGE LENGH OF 288PM. THE DENSITY OF ELEMENT IS 7.2g/CM3 .HOW MANY ATOMS ARE PRESENT IN 208 g OF ELEMENT?
QUES-9.	DRAW THE STRUCTURE OF FOLLOWING [A] (HPO ₃) ₃ [B] XeO2F ₂
QUES10	COMPLETE THE FOLLOWING REACTIONS [A] $8NH_3+Cl_2$



http://www.cbseguess.com/

WHAT IS LANTHANOID CONTRACTION? WRITE ITS CONSEQUENCES. QUES11. QUES12. ARE ALL THE BONDS IN PCL5 EQUAL? JUSTIFY YOUR ANS. WHY AgBrSHOWS BOTH FRENKEL AND SCHOTTKY DEFECT? QUES13. DIFF B/W [A] PHYSISORPTION & CHEMISORPTION [B] IDEAL&NONIDEAL **QUES 14** A FIRST ORDER REACTION COMPLETES IN 40 MIN FOR 30% DECOMPOSITION. CALCULATE HALF LIFE FOR FIRST ORDER REACTION OR STATE HENRY'S LAW WITH TWO APPLICATIONS. QUES15 EXPLAIN WITH CHEMICAL REACTION[A] LEAD STORAGE BATTERY[B]NICKEL CADMIUM BATTERY QUES16 [Cr(NH3)6]--- IS PARAMAGNETIC WHILE [Ni(CN)4]—IS DIAMAGNETIC. EXPLAIN. QUES17 ARRANGE WITH THE INSTRUCTION GIVEN [1] HF,HCL,HBr,HI(INCREASING ACIDIC CHARACTER) [2] NH3,PH3,AsH3,SbH3,BiH3 QUES18 CALCULATE THE E.M.F OF THE CELL AT 25OC Mg/Mg++(0.01)//Sn++(0.1)/SnEoMg++/Mg=-2.34V, Eo Sn++/Sn=-0.136V, OR SHOW THAT IN A FIRST ORDER REACTION TIME REQUIRED FOR COMPLETION OF 99% IS 10 TIMES OF HALF LIFEOF REACTION

Paper Submitted By:

Name Anuj sharma

Email anuj.sharma79@yahoo.com

Phone No. 09415573342