XI Chemistry Worksheet		
Time: 30 min	Ch#1 : Redox Reactions -01	Full Marks: 20
Instructions: 1. All questions are compulsory. 2. Please give the explanation for the answer where applicable.		
Q1 - Name the oxidiser and using SnCl ₂ + 2FeCl ₃ \rightarrow	reducer in the following reaction: - SnCl ₄ + 2FeCl ₂	
		(1 Mark)
Q2 - Define oxidation number	and calculate the oxidation number of C	r in K ₂ Cr ₂ O ₇ . (2 Marks)
Q3 - What is the usual oxidation state of oxygen? In which type of compounds oxygen shows an oxidation no. of -1 and +2?		
		(1 Mark)
Q4 - What is meant by half re	eaction?	(1 Mark)
	uation in the acidic medium by oxidation $+ H^+ \longrightarrow Mn^{2+}(aq) + CO_2(g) + H^{2+}(aq)$	
		(5 Marks)
Q6 - Write the half reactions (a) $2Fe^{3+}(aq) + 2I^{-}(aq) \rightarrow$	for the following Redox reaction; - 2Fe ²⁺ (aq) + I ₂ (aq)	
(b) Zn(s) + 2H⁺(aq)→ Zr	$H^{2+}(aq) + H_2(g)$	
		(2 Marks)
Q7 - Identify the strongest ar Zn, Cu, Ag, Na	nd the weakest reducing agents from the	-
		(2 Marks)
-	potential for Cu ²⁺ /Cu is +0.34 V. Calculate le Ksp of Cu(OH) ₂ is 1.0X10 ⁻¹⁹ .	
		(3 Marks)
Q9 - Calculate pH of the follow	wing half cell Pt, H_2/H_2SO_4 . The oxidation	potential is +0.3 V. (3 Marks)