Name:	_ Subject: Chemistry	Class: 12 <sup>th</sup>	Time: 60 minutes	Total Marks:	30
Chapter No.6	N	MJDexpert.com			

Note: Please attempt any 7 short questions from Question 2. Also, attempt both parts

	(a anu	b) of Question 3. Cut			is strictly proffibited.
		Obje	ective-Section	n	
		e correct answer by		riate circle.	(8x1=8)
1.	The transition met	al complex [Cu (NH <sub>3</sub> ) <sub>4</sub> ]	<sup>+2</sup> has geometry		
	(A) Tetrahedral	(B) Octahedral	(C) Square planer	(D) Tri	igonal pyramidal
2.	Which of the follow	ving is a typical transit	ion element?		
	(A) Sc	(B) Y	(C) Re		(D) Co
3.	Which of the follow	ving has greatest num			
	(A) Fe	(B) Fe <sup>+2</sup>	(C) Mn <sup>+</sup>	2	(D)Cr <sup>+3</sup>
4.	Co-ordination num	ber of Pt in [Pt CI(NO <sub>2</sub> )	) (NH <sub>3</sub> ) <sub>4</sub> ] <sup>+2</sup> is		
	(A) 2	(B) 4	(C) 1		(D) 6
5.	Which one is non-t	ypical transition eleme	ent?		
	(A) Cr	(B) Mn	(C) Zn		(D) Fe
6.	Which element for	m an ion with charge +	<b>+3:</b>		
	(A) Chromium	(B) Copper	(C) Lead	t	(D) Zinc
<b>7.</b> '	The central metal at	tom or ion along with I	igands is called a		
	(a) Chelates	(b) Coordination s	sphere (c) Coordinati	ion number	(d) None of these
8.	<b>Group VIB of trans</b>	ition elements contain	s:		
	(A) Zn, Cd, Hg	(B) Fe, Ru, Os	(C) Cr, N	Лo, W	(D) Mn, Te, Re
		ebid	adiva Castis		
		Subje	ective-Section	)Π	
	=	answers of any SEV	-		•
	• •	al and non-typical trans	•	re they called s	so?
		ial compounds. Write o	-		
		properties of transition e		(i) [F <sub>2</sub> (CO) ]	(::\)
	4. Write IUPAC n  K <sub>2</sub> [Pt (Cl) <sub>6</sub> ]	names of the following	complexes	(i) [Fe (CO) <sub>5</sub> ]	(ii)
	2 2 703	ped bubbles of eases re	emoved during the prer	paration of stee	19
	•	nditions does aluminum		raration of stee	1.
		ions are converted into			
	8. What is the diff	erence between wrough	ht iron and steel?		
		_			
	Q.No.3 Long Qu			•	(4+4=8)
		lain the following gene		erties of transi	tion elements
	(i) Para ma	gnetism (11) Bindii	ng Energies		

b. Explain the open-Hearth process for the manufacture of steel.