Model Question Paper

d- Block Elements - Part II

12th Standard

	Chemistry Reg. No.:				T	٦
I	.Answer all the questions.					_
	I.Use Blue pen only.					
Tim	ne: 01:00:00 Hrs		Tota	al Mar		
	Section-A			5	x 1 =	5
1)	d-block elements form coloured ions because					
	(a) They absorb some energy for d-s transition (b) They absorb some energy for p-d transition (c) They absorb some energy for d-d transition	tion				
	(d) They do not absorb any energy					
2)	The correct electronic configuration of copper atom is					
	(a) $3d^{10}4s^1$ (b) $3d^{10}4s^2$ (c) $3d^94s^2$ (d) $3d^54s^24p^4$					
3)	Copper is extracted from					
	(a) cuprite (b) copper glance (c) malachite (d) copper pyrites					
4)	Silver salt used in photography is					
	(a) Agcl (b) $AgNO_3$ (c) AgF (d) AgBr					
5)	Sodiumthiosulphate is used in photography because of its					
	(a) Oxidizing behaviour (b) Reducing behaviour (c) Complexing behaviour (d) Photochemical behaviour					
	Section-B			4 x	3 = 1	.2
6)	Why are Zn^{2+} salts colourless while Ni^{2+} salts are coloured?					
7)	[(2 / /0)					
8)	A substance is found to have a magnetic moment of 3.9 BM. How many unpaired electrons does it contain?					
9)	Explain why the melting and boiling points of Zn,Cd,Hg are low?					
	Section-C			4 x	5 = 2	:0
10)	How will you get copper from matte by besssemer process?					
	How will get chromium from chromite ore ?					
	Explain the oxidising of potassium dischromite?					
13)	How is Cr_2O_3 reduced to chromium by $rac{alumin}{othermic}$ process?					
\	Section-D			2 x 1	10 = 2	.0
14)						
	b) Write two alloys of copper and their uses.					

15) a) Write short notes on alumino thermic process?

b) Name the first and last elament in the second transition series.