

CLASS: XIth
DATE:
SUBJECT: CHEMISTRY
DPP No.: 2

Topic :- THE D-AND F-BLOCK ELEMENTS

1.	Which statement about Hg is correct? a) Hg is the only liquid metal b) $\mathrm{Hg^{2+}}$ salts are more stable than $\mathrm{Hg_2^{2+}}$ salts c) Hg forms no amalgam with iron and platinum d) All of the above					
2.	Most abundant transition element is:					
	a) Fe	b)Sc	c) Os	d) None of these		
3.	Which one of the followa) Np ⁴⁺	wing <mark>acts</mark> as an o <mark>xidizi</mark> ng b) Sm ²⁺	g agent? c) Eu ²⁺	d) Yb ²⁺		
4.	Which of the oxide of n a) MnO_2	mang <mark>anese</mark> is amphoteri b) <mark>Mn₂O₃</mark>	c? c) Mn ₂ O ₇	d) MnO		
5.	Which one of the follow a) $2AgNO_3 \rightarrow 2Ag + 2N$ c) $2AgNO_3 \rightarrow 2AgNO_2 \rightarrow 2AgNO_3 \rightarrow 2AgNO_2 \rightarrow 2AgNO_3 \rightarrow 2Ag$	$10_2 + 0_2$	on heating AgNO ₃ above its melting point? b) $2AgNO_3 \rightarrow 2Ag + N_2 + 3O_2$ d) $2AgNO_3 \rightarrow 2Ag + 2NO + 2O_2$			
6.	Which of the following a) CuCl ₂	is paramagnetic? b) CaCl ₂	c) CdCl ₂	d) None of these		
7.	Which does not give a a) HgCl ₂	precipitate with excess (b) HgNO $_3$	of NaOH? c) FeSO ₄	d)ZnSO ₄		
8.	Thermite is a mixture (a) Zn powder	of iron oxide and: b) K metal	c) Na–Hg	d) Al powder		
9.	Ruby copper is: a) Cu ₂ O	b) Cu(OH) ₂	c) CuCl ₂	d) Cu ₂ Cl ₂		

10.	The actinoids showing a) U, Np	+7 oxidation state are b) Pu, Am	c) Np, Pu	d) Am, Cm		
11.	Which match is incorrect? a) Ammonia soda process – manufacture of potassium carbonate b) Bessemer's process – manufacture of steel c) Mac Arthur and Forest process – extraction of silver d) Dow's process – manufacture of phenol					
12.	Carbon content of a) Steel is in between those of cast iron and wrought iron. b) Cast iron is in between those of steel and wrought iron. c) Wrought iron is in between those of steel and cast iron. d) Steel is higher than that of pig iron.					
13.	_	pair is coloured in aque b) Ni ²⁺ ,Cu ⁺	ous solution? c) Ni ²⁺ ,Ti ³⁺	d) Sc ³⁺ ,Ti ³⁺		
14.	$ZnSO_4$ on heating to 80 a) $ZnO + SO_2 + O_2$		c) ZnS + O ₂	$d) Zn + SO_2 + O_2$		
15.	The ionization potentia a) Less	al of <mark>trans</mark> ition metals is b) More	than <i>p-</i> block element c) Equal	s. d) None of these		
16.	Spiegeleisn is an alloy of a) Fe, Co and Cr	of b) Fe, Co and Mg	c) Fe, Mg and C	d) Fe, C and Mn		
17.	Which of the following group of transition metals is called coinage metals? a) Cu, Ag, Au b) Ru, Rh, Pd c) Fe, CO, Ni d) Os, Ir, Pt					
18.	Cadmipone is a mixture a) CdS and BaSO ₄	e of: b) CaSO ₄ and BaS	c) CaS and ZnSO ₄	d) CaSO ₄ and ZnS		
19.	Which one of the following does not correctly represent the correct order of the property indicated against it? a) $Ti < V < Cr < Mn$: increasing number of oxidation states b) $Ti^{3+} < V^{3+} < Cr^{3+} < Mn^{3+}$: increasing magnetic moment c) $Ti < V < Cr < Mn$: increasing melting points d) $Ti < V < Mn < Cr$: increasing 2^{nd} ionization enthalpy					
20.	In chromite ore, the ox $a) +3,+2$	idation number of iron a b) +3,+6	and chromium are respe c) +2,+6	ctively. d)+2,+3		