

CLASS: XIth
DATE:

SUBJECT: CHEMISTRY
DPP No.: 5

Topic:-THE D-AND F-BLOCK ELEMENTS

1.	The nitrate of which me a) $Cu(NO_3)_2$	etal leaves metallic glob b) ${\sf AgNO}_3$	ule on heating strongly? c) NaNO ₃	d) Pb(NO ₃) ₂		
2.	Mond process is used in a) Co	n the extraction of: b) Ni	c) Mo	d)Zn		
3.	Blue colour/precipitate a) Fe(II) ions	e will be obtained when b) Cu(II) ions	$K_4[Fe(CN)_6]$ reacts with c) $Fe(III)$ ions	: d)Cu(I) ions		
4.	Two of the constituents a) Ag + Cu	s of <mark>Germ</mark> an silv <mark>er are</mark> b) Ag + Zn	c) Cu + Zn	d) Cu + Sn		
5.	A metal is left exposed metal is: a) K	to ai <mark>r for s</mark> ometime. It b	ecomes coated with basi c) Zn	ic green carbonate. The		
6.	Zn and Cd do not show variable valency, because: a) They have only two electrons in outermost subshells b) Their <i>d</i> -subshells are complete c) Their <i>d</i> -subshells are incomplete d) They are relatively soft metals					
7.	One of the important uses of ferrous sulphate is in the: a) Manufacture of blue-black ink b) Manufacture of chalks c) Preparation of hydrogen sulphide d) Preparation of sulphur dioxide					
8.	Blue vitriol is: a) CuSO ₄ .7H ₂ O	b) ZnSO ₄ .7H ₂ O	c) CuSO ₄ .5H ₂ O	d) FeSO ₄ .7H ₂ O		

9.	Zn does not show varia a) Complete <i>d</i> -subshel	able valency because of l b) Inert pair effect	c) 4s ² -subshell	d) None of these		
10.	Which of the following statement (s) is/are correct with reference to the ferrous and ferricions? a) Fe^{3+} given brown colour with ammonium thiocyanate b) Fe^{3+} gives brown colour with potassium ferricyanide c) Fe^{3+} gives red colour with potassium thiocyanate d) Fe^{2+} gives red precipitate with potassium ferricyanide					
11.	In vapour state $Cu(NO_3)_2$ and $Cu_2(CH_3COO)_4.2H_2O$ exist as:					
	a) Dimer, monomer	b) Monomer, dimer	c) Monomer, monon	ner d) Dimer, dimer		
12.	Which oxide is least st a) CuO	able at room temperatui b) Ag ₂ O	re? c) ZnO	d) Sb ₂ O ₃		
13.	Metal Ore a) Zinc Ca	s metal is correctly match alamine assiterite	hed with its ore? b) Silver d) Tin	Ilmenite Azurite		
14.	Iron is obtained on lar a) By reduction b) By oxidation c) By reduction follow d) By oxidation follower	-	(Fe ₂ O ₃):			
15.	Which oxide of manga a) MnO	nese is amphoteric? b) MnO ₂	c) Mn ₂ O ₇	d) Mn_2O_3		
16.	Which among the following metals does not dissolve in aqua regia? a) Pt b) Pd c) Au d) Ir					
17.	The one which has low a) $Hg(NO_2)_2$	vest ox. no. of Hg: b) HgCl ₂	$_{\rm C)}$ Hg(NO ₃) ₂	d) Hg ₂ Cl ₂		
18.	The fraction of chlorine precipitated by $AgNO_3$ solution from $[Co(NH_3)_5Cl]Cl_2$ is:					
	a) 1/2	b) 2/3	c) 1/3	d) 1/4		

- 19. Which statement is correct?
 - a) Cd rods are used in atomic reactors to slow down nuclear reaction
 - b) Cd is a good absorber of neutrons
 - c) CdS is used as pigment
 - d) All of the above
- 20. Acidified solution of chromic acid on treatment with hydrogen peroxide yields

a)
$$CrO_5 + H_2O$$

b)
$$H_2Cr_2O_7 + H_2O + O_2$$

c)
$$Cr_2O_3 + H_2O + O_2$$

d)
$$CrO_3 + H_2O + O_2$$

