

CLASS: XIth
DATE:

SUBJECT: CHEMISTRY
DPP No.: 3

D11 100.. U

## Topic:-THE D-AND F-BLOCK ELEMENTS

1.	The compound which g a) Zinc oxide	gives oxygen on moderate b) Mercuric oxide	te heating is: c) Aluminium oxide	d) Ferric oxide		
2.	The form of iron having a) Cast iron	g the highest carbon con b) Wrought iron	tent is c) Stainless steel	d) Mild steel		
3.	An ore of silver is: a) Argentite	b) Stibnite	c) Haematite	d) Bauxite		
4.	Roasting of HgS in air pa a) HgO	oroduces: b) HgSO <sub>3</sub>	c) HgSO <sub>4</sub>	d) Hg		
5.	Transuranic elements h	pegi <mark>ns wit</mark> h b) <mark>Cm</mark>	c) Pu	d) U		
6.	A solution when diluted with $H_2O$ and boiled gives a white ppt. On addition of excess $NH_4Cl/N$ $H_4OH$ , the volume of precipitate decreases due to dissolution leaving behind a white gelatinous precipitate. The precipitate which dissolves in $NH_4OH/NH_4Cl$ is: a) $Zn(OH)_2$ b) $Al(OH)_3$ c) $Mg(OH)_2$ d) $Ca(OH)_2$					
7.	Which of the following a) Their compounds are c) Their melting and bo	= -	sition metals? b) They can form ionic or covalent compounds. d) They do not exhibit variable valency.			
8.	Which one of the following does not decolourise an acidified KMnO $_4$ solution? a) SO $_2$ b) FeCl $_3$ c) H $_2$ O $_2$ d) FeSO $_4$					
9.	Which of the following a) Zn, Cu	pairs of elements canno b) Fe, Hg	ot form an alloy? c) Fe, C	d) Hg, Na		

10.	Which is known as purple of Cassius?  a) Colloidal silver solution  b) Colloidal gold solution  c) Aqueous solution of soap  d) As <sub>2</sub> S <sub>3</sub> colloidal solution					
11.	Which of the following io a) Cu <sup>+</sup>	onic species will impart b) Zn <sup>2+</sup>	t colour to an aqueous s c) Cr <sup>3+</sup>	olution? d)Ti <sup>4+</sup>		
12.	The outer electronic con a) $4f^3 5d^56s^2$	figuration of Gd (At. No b) $4f^8 5d^06s^2$		d) $4f^75d^1s^2$		
13.	<ul> <li>Mercury is a liquid metal because</li> <li>a) It has a completely filled s-orbital.</li> <li>b) It has a small atomic size.</li> <li>c) It has a completely filled d-orbital that prevents d – d overlapping of orbitals.</li> <li>d) It has a completely filled d-orbital that causes d – d overlapping.</li> </ul>					
14.	Composition of azurite n a) CuCO <sub>3</sub> .CuO		c) 2CuCO <sub>3</sub> .Cu(OH) <sub>2</sub>	d) CuCO <sub>3</sub> .2Cu(OH) <sub>2</sub>		
15.	What would happen who nitric acid? a) $Cr^{3+}$ and $Cr_2O_7^{2-}$ are for b) $Cr_2O_7^{2-}$ and $H_2O$ are for c) $CrO_4^{2-}$ is reduced to + d) None of the above	ormed rmed	um chromate is treated	with an excess of dilute		
16.	Zn gives $H_2$ gas with $H_2SO_4$ and $HCl$ but not with $HNO_3$ because: a) Zn acts as an oxidising agent when react with $HNO_3$ b) $HNO_3$ is weaker acid than $H_2SO_4$ and $HCl$ c) In electrochemical series Zn is above hydrogen d) $NO_3^-$ ion is reduced in preference to hydronium ion					
17.	Which of the following is a) Wurtzite	s also known as "Fools g b) Iron pyrites	gold"? c) Chalcocite	d) Silver glance		
18.	When steam is passed on a) FeO	ver heated iron, one of $(6)$ Fe $_2$ O $_3$	the products is: c) Fe <sub>3</sub> O <sub>4</sub>	d) FeSO <sub>4</sub>		
19.	In the electrolytic refining of zinc					

a) Graphite is at the anode.

- b) The impure metal is at the cathode.
- c) The metal ion get reduced at the anode.
- d) Acidified zinc sulphate is the electrolyte.
- 20. Which pair of lanthanides is used in glass, blowers, goggles?
  - a) Np, Pu
- b) Pu, Gd
- c) Fm, Ho
- d) Pr, Ho

