

Mercury is transported in the container's made up of -

Q.1

Correct answer is -

(2) b and c

(4) All

(1) Only b

(3) b and d

Daily Practice Problems

NEET CHEMISTRY

Topic: D & F block element

	(1) Al (3) Ag	(2) Fe (4) Pb					
Q.2	Silver ornaments get (1) O ₂ (3) H ₂ S	tarnished in air due to the reaction of Ag with - $(2) N_2$ $(4) H_2O$					
Q.3	Pick out the incorrect statement for the transition metals - (1) Cu ⁺ (d ¹⁰) is a transition metal ion (2) Transition metal ions are coloured (3) 5d transition series placed in 5th period (4) Cr ⁺⁶ is more oxidising than Cr ⁺³						
Q.4	Percentage of gold in (1) 18 (3) 83.6	18 carats gold is - (2) 75 (4) 100					
Q.5	Galvanised iron - (1) Is an alloy of iron (2) Is iron used in a (3) Is iron coated wi (4) Is an alloy of iron	galvanometer h zinc					
Q.6	 (1) Fe, Ni, Co form (2) CuSO₄ + Ca(OF (3) Verdigris is bas 	ng statement is not correct - interstetial compound) ₂ is called Bordeaux mixture c copper acetate [Cu(COOCH ₃) ₂ .Cu(OH) ₂] an alloy of Au and Cu					
Q.7	Pick out the correct (1) Elect. Conductiv (2) Density Hg < Au (3) Melting point Cr (4) Atomic size Sc <	ty Ag < Au < Al < Os > Mo > W					
Q.8	By which of the follo (1) F ⁻ (3) Br ⁻	owing ion, a transitional metal can brought in to its highest oxidation state (2) Cl ⁻ (4) I ⁻	-				
Q.9	Which of the follow (a) Sc, Y, La (c) Ni, Cu, Zn	ng sets of elements exhibits decreasing order of atomic radii - (b) Ti, V, Cr (d) K, Ca, Sc					

Q.10	Which of the follow (1) Cu – Au (3) Fe – Hg	ving set of metals can form alloy - (2) Li – Na (4) All					
Q.11	The elements from levels are filled up (1) Lanthanides (3) actinides	throrium (At. No. 90) to lawrencium (At. No. 103) in which 5f energy are called - (2) rare earths (4) transuranics					
Q.12	Select the element i (1) Ti (3) La	n the following which does not show + 4 oxidation state - (2) Zr (4) Pt					
Q.13	Cerium can show the oxidation state of +4because - (1) It resemble alkali metals (2) it has very low value of I.E. (3) of its tendency to attain noble gas configuration of xenon (4) of its tendency to attain 4f ⁷ configuration						
Q.14	The elements from levels are filled up (1) lanthanides (3) lanthanones	cerium (At. No. 58) to lutetium (At. No. 71) in which 4f energy are called - (2) rare earths (4) all the above					
Q.15	The actinides shows (1) U, Np (3) Np, Pu	ing +7 oxidation state are - (2) Pu, Am (4) None of these					
Q.16	In aqueous solutin Eu ⁺² acts as – (1) an oxidising agent (2) reducing agent (3) can act as redox agent (4) None of them						
Q.17	The maximum oxid (1) +6 (3) +5	ation state shown by actinides is - (2) +7 (4) +4					
Q.18	The outer electronic (1) 4f ⁷ 5d ¹ 6s ² (3) 4f ⁸ 5d ¹ 6s ¹	c configuration of gadolinium (At. No. 64) is - (2) 4f ⁸ 5d ⁰ 6s ² (4) 4f ⁷ 5d ⁰ 6s ²					
Q.19	Name the three lant (1) Sm, Tb, Gd (3) La, Gd, Lu	hanides which show + 2 oxidation state also - (2) Sm, Eu, Yb (4) Yb, Pm, Sm					
Q.20	The chemist who has helped in the discovery of the maximum number of transuranic elements in the last 2 decades is - (1) Sir Robert Robinson (2) Sir J.J. Thomsom (3) Prof. G.T. Seaberg (4) Sir C.N. Hinshelwood						
Q.21	The number of wate (1) 7 (3) 6	er molecule in Mohr's salt - (2) 5 (4) 8					
Q.22	Which metal is present in brass, bronze and german silver - (1) Mg (2) Al (3) Cu (4) Zn						
Q.23	Which of the follow (1) Copper (3) Sodium	ving metal react readily with water - (2) Nickel (4) Silver					

- **Q.24** Amongest TiF_6^{2-} , CoF_6^{-3} , Cu_2Cl_2 and $NiCl_4^{-2}$ colourless compound is -
 - (1) Cu,Cl, & NiCl₄-2
- (2) TiF_6^{-3} and CoF_6^{-3}
- (3) CoF_6^{-3} and $NiCl_4^{-2}$
- (4) TiF_6^{-2} and Cu_2Cl_2
- **Q.25** General formula of metal carbonyl is $M(CO)_x(M = metal, x = 4)$. Metal is bonded with -
 - (1) Oxygen
- (2) Carbon
- (3) both
- (4) Triple bond of CO
- **Q.26** Geometrical isomer of $[Pt(NH_3)_2Cl_2]$ are -
 - (1)2

(2) 1

(3) 4

- (4) 3
- Q.27 Mercury alone is liquid metal at 0°C due to
 - (1) Weak metallic attraction
 - (2) High IP
 - (3) High vapour pressure
 - (4) 1 & 2 both
- Q.28 Nessler's reagent is used in the test of -
 - $(1) NH_4Cl$
- (2) NH₃
- $(3) NH_4^+$
- (4) All of these
- Q.29 Which of the following molecule or ions is a bidentate ligand?
 - $(1) C_2 O_4^{2-}$
- $(2) Br_2^+$
- (3) CH₃NH₂
- (4) CH₃ C ° N
- Q.30 Which of the following complex has square planar structure?
 - (1) [Ni(CN)₄]²⁻
- (2) Ni(CO)₄
- (3) $[Zn(NH_3)_4]^{+2}$
- (4) [NiCl₄]²⁻

ANSWER KEY

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Que.	1	2	3	4	5	6	7	8	9	10
Ans.	2	3	3	3	3	4	2	1	3	1
Que.	11	12	13	14	15	16	17	18	19	20
Ans.	3	3	3	4	3	2	2	1	2	3
Que.	21	22	23	24	25	26	27	28	29	30
Ans.	3	3	3	4	2	1	4	4	1	1