

ECAT Chemistry Chapter 17 Transition Elements Online Test

Sr	Questions	Answers Choice
1	The total number of rare earth elements is	A. 8 B. 32 C. 14 D. 10
2	f-Block elements are also called	A. Non typical transition elements B. Outer transition elements C. Normal transition elements D. Inner transition elements
3	How many mole of acidfied FeSO_4 solution can be completely oxidized by one mole of KMNO_4 ?	A. 10 B. 5 C. 6 D. 2
4	All 3d series elements show variable oxidation states. The one shown by all 3d elements is	A. +2 B. +3 C. +4 D. +5
5	A phtotographic plate is coated with an emulsion of silver nitrate and	A. AgCl B. AgI C. AgBr D. NaNO_3
6	Which is the formula of tetra-ammine chloronitro platinum (VI) sulphate?	A. $[\text{Pt}(\text{NH}_3)_3(\text{NO})\text{SO}_4](\text{NO}_2)_4$ B. $[\text{PtNO}_2(\text{NH}_3)_3\text{Cl}(\text{NH}_3)_4]\text{SO}_4$ C. $[\text{PtCl}(\text{NO}_2)(\text{NH}_3)_3]\text{SO}_4$ D. $[\text{Pt}(\text{NH}_3)_3(\text{NO})\text{Cl}]\text{SO}_4$
7	Which of the following is a non-typical transition elements	A. Cr B. Mn C. Zn D. Fe
8	Coordination number of Pt in $[\text{PtCl}(\text{NO}_2)(\text{NH}_3)_4]^{2+}$ is	A. 2- B. 4 C. 1 D. 6
9	5-d series is in the period :	A. 4th B. 5th C. 6th D. 7th
10	Fe^{+3} and Mn^{2+} are strong paramagnetic because the number of unpaired electrons in each is	A. 4 B. 5 C. 6 D. 7
11	Group VI-B of transition elements contains:	A. Zn, Cd, Hg B. Fe, Ru, Os C. Cr, Mo, W D. Mn, Te, Re
12	Non-formation of meniscus by Hg in presence of O_3 is due to the formation of	A. Mercuric oxide B. Mercurous oxide C. Mercuric chloride D. Mercurous chloride
13	Which of the following is used as disinfectant	A. $\text{K}_2\text{Cr}_2\text{O}_7$ B. KMnO_4 C. K_2MnO_4 D. K_2CrO_4
14	The total number of transition elements is	A. 10 B. 14 C. 40 D. 50

15	In physical and chemical properties, transition elements show	A. Similarities B. Dissimilarities C. Both of these D. Sometimes similarities, sometimes dissimilarities
16	The colour of a transition metal complex is due to d-d transition. The colour of the complex is the complementary of the colour absorbed. Thus $[\text{Ti}(\text{H}_2\text{O}_6)^{3+}]$ absorbs yellow light and transmits blue and red colours therefore the solution of titanium complex appears	A. Blue B. Red C. Yellow D. Mixture of blue and red or violet
17	$[\text{Cu}(\text{NH}_3)_4]^{+2}$ will form _____ structure	A. Square planar B. Tetrahedral C. Octahedral D. Trigonal bipyramidal
18	Choose the correct answer of transition elements?	A. Transition elements have low melting points B. Transition elements do not have catalytic activity C. Transition elements exhibit variable oxidation states D. Transition elements exhibit inert pair effect
19	Coordination number of Pt in $[\text{Pt Cl}(\text{NO}_2)(\text{NH}_3)]^{2-}$ is	A. 2- B. 4 C. 1 D. 6
20	A transition element is defined as an element of 3d series	A. Which is metal B. Which has one stable ion C. Which has two stable ions D. Which has at least one stable ion with incomplete d-orbital