

Chemistry Fsc Part 2 Chapter 6 Online Test

Sr	Questions	Answers Choice
1	The total number of transition element is	A. 10 B. 14 C. 40 D. 58
2	Total number of d-block elements are	A. 10 B. 20 C. 30 D. 40
3	Which of the following is non-typical transition metal	A. Fe B. Mn C. Zn D. Ni
4	Typical transition element is	A. Sc B. CO C. Ra D. Y
5	Group VI B to transition elements contains	A. Zn, Cd, Hg B. Fe, Ru, OS C. Cr, MO, W D. Mn, Te, Re
6	The colour of transition metal complexes	A. d-d transitions of electrons B. paramagnetic nature of transition elements C. ionization D. loss of s-electron
7	The strength of binding energy of transition elements depends upon	A. number of electron pairs B. number of unpaired electron pairs C. number of neutrons D. number of protons
8	Co-ordination number of Pt in $\text{Pt Cl}(\text{NO}_2)(\text{NH}_3)_4$	A. 2- B. 4 C. 1 D. 6
9	Co-ordination number of Cu in	A. Zero B. Two C. Four D. Six
10	Which is not an ore of iron	A. haematite B. Magnetite C. limonite D. Cassiterite
11	Mild steel contains carbon percentage	A. 0.1 - 0.2% B. 0.3 - 0.7% C. 0.7 - 1.5% D. 1.6 - 2.0%
12	Which of the following is non-typical transition element	A. Cr B. Mn C. Zn D. Fe
13	Which of the following is a typical transition metal	A. Sc B. Y C. Ra D. Co
14	f-block elements are also called	A. non typical transition elements B. outer transition elements C. normal transition elements D. inner transition elements
15	The strength of binding energy of transition elements depend upon	A. number of electron pairs B. number of unpaired electron pairs C. number of neutrons D. number of protons

		D. number of protons
16	Group VI-B of transition elements contains	A. Zn, Cd, Hg B. Fe, Ru, Os C. Cr, Mo, W D. Mn, Te, Re
17	The percentage of carbon in different types of iron products is in the order of	A. cast iron > wrought iron > steel B. wrought iron > steel > cast iron C. cast iron > steel > wrought iron D. cast iron = steel > wrought iron
18	Which of the following is a non typical transition element.	A. Cr B. Mn C. Zn D. Fe
19	Which of the following is a typical transition metal.	A. Sc B. Y C. Ra D. CO
20	f - block elements are also called.	A. Non typical transition elements B. Outer transition elements C. Inner transition elements D. None of true
21	Group VI B of transition elements contains.	A. Zn, Cd, Hg B. Fe, Ru, Os C. Cr, Mo, W D. Mn, Te, Re
22	The percentage of carbon is different types of iron products is in the order of.	A. Cast iron > wrought iron > Steel B. Wrought iron > Steel > Cast iron C. Cast iron > Steel > Wrought iron D. Cast iron > Steel > Wrought iron
23	The colour of transition metal complexes is due to	A. d-d transition of electrons B. Paramagnetic nature of transition elements C. Ionization D. Loss of s -electrons
24	The total number of translation elements is	A. 10 B. 14 C. 40 D. 65
25	Which one of the following elements shows variable valency, can act as a catalyst and form coloured compounds.	A. Carbon B. Chlorine C. Sulphur D. Iron
26	Which one of the following elements has no variable valency.	A. Zinc B. Iron C. cobalt D. Manganese
27	Which one of the following elements commonly exhibits oxidation states of +6 and +3 in aqueous solution.	A. Na B. Cr C. Mg D. C
28	The variation pattern in ionic radii of first transition series shows	A. A regular increase B. A regular decrease C. No regular pattern D. A regular decrease and then a slight increase
29	Which form interstitial compounds.	A. Fe B. Ni C. CO D. All of those
30	The transition elements which are present in 4th period of periodic table have atomic number.	A. 22 to 30 B. 21 to 30 C. 21 to 29 D. 21 to 31
31	d -block elements which show anomalous configuration in first series are	A. Cr and Ni B. Cr and Cu C. Cu and CO

		C. Cu and Co D. Fe and Ni
32	Element of which group are called non typical transition elements.	A. IB B. II B C. II A D. VII B
33	In $[\text{Co}(\text{NH}_3)_6]^{+3}$ the coordination number of cobalt is.	A. Zero B. Two C. Four D. Six
34	In IUPAC system, the name of $\text{K}_4[\text{Fe}(\text{CN})_6]$ is	A. Potassium ferricyanide B. Potassium ferrocyanide C. Potassium Hexacyanoferrate (II) D. Potassium hexacyanoferrate (III)
35	The type of hybridization in PCl_3 is.	A. dsp^2 B. sp^3 C. dsp^3 D. d^2sp^3
36	Which one of the following complexes is chelate.	A. Potassium hexacyanoferrate (II) B. Diammine silver (I) Chloride C. Tetracarbonylnickel (0) D. Sodium dioxalatoplatinate (II)
37	Which complex shows zero oxidation state of the transition metal.	A. $[\text{Fe}(\text{CO})_5]$ B. $\text{K}_3[\text{Fe}(\text{CN})_6]$ C. $\text{K}_2[\text{Fe}(\text{CN})_6]$ D. $[\text{Cu}(\text{NH}_3)_4]\text{SO}_4$
38	Geometrical shape of $[\text{Co}(\text{NH}_3)_6]\text{Cl}_3$	A. linear B. square planar C. Octahedral D. Trigonal bipyramid
39	Stainless steel is	A. Compound B. An element C. Mixture D. 100% pure iron
40	Which is not coloured ion	A. SO_4^{2-} B. MnO_4^{3-} C. CrO_4^{2-} D. $\text{Cr}_2\text{O}_7^{2-}$
41	Which furnace is used to prepared steel	A. Blast furnace B. Pudding furnace C. Bessemer converter D. Pyrite furnace
42	The substance which is added to remove impurities is known as	A. Slag B. Flux C. Ore D. Gangue
43	To prevent corrosion, Iron pipes carrying drinking water are covered with zinc by	A. alloy formation B. Electroplating C. Galvanizing D. Soldering
44	Galvanized iron is protected by a thin layer of	A. Cr B. Zn C. Sn D. Pb
45	Which element shows highest oxidation state among these	A. Zn B. Fe C. Mn D. Sc
46	Chlomy chloride test is used for the confirmation of	A. Cl^- B. CO_3^{2-} C. NO_3^- D. Cu^{2+}
47	Colour of $\text{K}_2\text{Cr}_2\text{O}_7$ is	A. Red B. Orange C. Green D. Yellow
48	The chemical composition of pyrolusite is.	A. KMnO_4 B. K_2MnO_4 C. MnO_2 D. MnO
		A. K_2CrO_4

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| 49 | The aqueous solution of which substances is green in colour | B. K_2CrO_7
C. $KMnO_4$
D. K_2MnO_4 |
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| 50 | The conversion of potassium manganate to potassium permanganate by passing Cl_2 Through aqueous solution of K_2MnO_4 is called. | A. Contact process
B. Open hearth process
C. Stadelers process
D. Thermite process |
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