

MDCAT Chemistry Chapter 11 S and P Block Elements Online Test

Sr	Questions	Answers Choice
1	Oxidation state of Mn' in KMnO ₄ . K ₂ MnO ₄ , MnO ₂ and MnSO ₄ is in the order	A. +7, +6, +2, +4 B. +6, +7, +2, +4 C. +7, +6, +4, +2 D. +4, +6, +7, +2
2	d-d transition cannot be shows by	A. Cu+1 B. Sc+3 C. Zn+2 D. All
3	The maximum oxidation state of Mn is	A. +6 B. +7 C. +5 D. +4
4	A transition element X has a configuration [Ar] 4s ³ dd in its +3 oxidation state. Its atomic number is	A. 25 B. 26 C. 22 D. 19
5	Stability of Cu-metal is due to filled of d-orbital	A. Half B. Completely C. Partially D. Quarterly
6	Which of the following pair has the same no. of electrons in d- subshell	A. Sc+3, Ti+3 B. Mn+2, Fe+3 C. Ti+3, V+3 D. Cr+3, Co+2
7	What is the sequence of electron take up and removal from 4s orbital a transition metal in 3d series?	A. Enters first, leaves after 3d electrons removal B. Enters after 3d electrons, leaves after 3d electrons C. Enters after 3d electrons, leaves first D. Enters first and leaves first
8	No of unpaired electrons are maximum in	A. V+3 B. Mn+2 C. Fe+3 D. Cr+3
9	d-d transition cannot be observed in	A. Cr B. Cu C. Mn D. Zn
10	When light is exposed to a typical transition element, then electrons jumps from low orbitals to higher orbitals in	A. f-orbitals B. s-orbitals C. p-orbitals D. d-orbitals
11	The energy difference of d-orbitals varies from	A. Atom to atom B. Ion to ion C. Electron to electron D. proton to proton
12	D-block elements are also called	A. Non-typical transition element B. Outer transition elements C. Abnormal transition elements D. Inner transition
13	which of the following is a typical transition metal?	A. Sc B. Y C. Ra D. Co
14	Group of element belongs to IIB group	A. Zn. Cd. Hg B. Cu. Ag. Au C. Sc. Y. La D. Ni. Pd. Pt
		A. Cr

15	Which of the following is a non-typical transition element?	B. Zn C. Mn D. Fe
16	The number of unpaired electrons present in Fe ions is	A. 1 B. 2 C. 5 D. 0
17	In $[\text{Ti}(\text{H}_2\text{O})]^{3+}$ which colour is transmitted	A. Yellow B. Blue and red C. Blue and yellow D. red and yellow
18	The strength of binding energy of transition elements depends upon	A. Number of electron pairs B. Number of unpaired electrons C. Number of neutrons D. Number of protons
19	Variable Oxidation state of is related to transition elements	A. empty d-subshells B. Completely filled C. Partially filled d-subshell D. d-d transition
20	Number of electrons involved in d-d transition of $[\text{Ti}(\text{H}_2\text{O})_6]^{3+}$	A. 1 B. 3 C. 2 D. 4