

MDCAT Chemistry Chapter 11 S and P Block Elements Online Test

Sr	Questions	Answers Choice
1	When light is exposed to transition element, then electrons jump from lower orbitals to higher orbitals in	A. Orbitals of s-subshell B. Orbitals of d-subshell C. Orbitals of p-subshell D. between different shells
2	Which of the following shows group IIIB	A. Zn, Cd, Hg B. Cu, Ag, Au C. Sc, Y, La D. Ni, Pd, Pt
3	Zn has	A. Zero unpaired electrons B. Three unpaired electrons C. Five unpaired electrons D. One paired electrons
4	Which of the following transition metal forms colourless compounds in +4 oxidation state?	A. Ti B. Cr C. Cu D. Zn
5	Oxidation state of Mn' in KMnO_4 , K_2MnO_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
6	Catalyst used for ammonia synthesis is	A. Cu B. Co C. Zn D. Fe
7	In the electronic configuration of Cr one electron from 4s sub-shell is transferred to 3d sub-shell because	A. The 3d orbital is of lower energy than 4s B. The half-filled d-subshell is more stable than 4 electrons having d-subshell C. The 4s orbital is of equal energy to 3d orbital D. 6 unpaired electron make Cr more paramagnetic
8	At which oxidation state Cu achieves electronic configuration of Zn^{2+}	A. 0 B. +2 C. +1 D. +3
9	No of unpaired electrons are maximum in	A. V+3 B. Mn+2 C. Fe+3 D. Cr+3
10	The element which shows highest binding energy	A. V B. T C. So D. Cr
11	The highest oxidation state of manganese is	A. +7 B. -7 C. +6 D. +4
12	D-block elements are also called	A. Non-typical transition element B. Outer transition elements C. Abnormal transition elements D. Inner transition
13	The number of unpaired electrons present in Fe ions is	A. 1 B. 2 C. 5 D. 0
14	Which of the following is a non-typical transition element?	A. Cr B. Zn C. Mn D. Fe

15	which one pair has the same oxidation state of-Fe?	A. FeSO ₄ and FeCl ₄ B. FeCl ₄ and FeCl ₃ C. FeSO ₄ and FeCl ₂ D. Fe ₂ (SO ₄) ₃ and FeSO ₄
16	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
17	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
18	Stability of Cu-metal is due to filled of d-orbital	A. Half B. Completely C. Partially D. Quarterly
19	In [Ti (H ₂ O)] ₃ ⁺ which colour is transmitted	A. Yellow B. Blue and red C. Blue and yellow D. red and yellow
20	Which of the followings has electronic configuration of Ar in +3 oxidation state	A. Sc B. Mn C. Ti D. Zn