

MDCAT Chemistry Chapter 11 S and P Block Elements Online Test

Sr	Questions	Answers Choice
1	Which of the following transition metal forms colourless compounds in +4 oxidation state?	A. Ti B. Cr C. Cu D. Zn
2	Group of element belongs to IIB group	A. Zn. Cd. Hg B. Cu. Ag. Au C. Sc. Y. La D. Ni. Pd. Pt
3	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
4	The oxidation state of transition elements is usually	A. Variable B. Single C. Constant D. Infinite
5	Ti+3 shows minimum absorption (maximum transmittance) atandwavelength	A. Yellow, Green B. Red. Yellow C. Blue. Green D. Red. Blue
6	In [Ti (H2O)]3+ which colour is transmitted	A. Yellow B. Blue and red C. Blue and yellow D. red and yellow
7	Group VIB of transition elements contains	A. Zn. Cd. Hg B. Cr. Mo, w C. Fe. Ru, Os D. Mn. Te. Re
8	D-block elements are also called	A. Non-typical transition element B. Outer transition elements C. Abnormal transition elements D. Inner transition
9	Number of electrons involved in d-d transition of [Ti(H2O)6]+3	A. 1 B. 3 C. 2 D. 4
10	Electrons in 5d energy level are filled up in case of	A. Lanthanides B. Transition metals C. Actinides D. Rare gases
11	Which of these has at least one d electron	A. Sc+3 B. Mn+7 C. Ti+4 D. Cr+3
12	Which of the following compound is expected to be colored	A. Na2SO4 B. ZnCl2 C. MgF ₂ D. CuF ₂
13	All 3d series elements show an oxidation state of oxidation state	A. +1 B. +2 C. +3 D. Zero
14	Stability of Cu-metal is due to filled of d-orbital	A. Half B. Completely C. Partially D. Quarterly
15	Which pair of transition elements shows abnormal electronic configuration?	A. Sc and Zn B. Cu and Sc C. Zn and Cu D. Cu and Cr

16	Which of the followings has electronic configuration of Ar in +3 oxidation state	A. Sc B. Mn C. Ti D. Zn
17	Which of the following shows group IIIB	A. Zn, Cd. Hg B. Cu. Ag. Au C. Sc. Y. La D. Ni. Pd. Pt
18	Catalyst used for ammonia synthesis is	A. Cu B. Co C. Zn D. Fe
19	[Ti (H20)6]3+ ion isin colour.	A. Yellow B. Blue C. Violet D. Red
20	The total number of 3d-series transition elements is	A. 10 B. 40 C. 14 D. 58