

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	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
2	Increased awareness of environment issues has led chemist to develop products and processes that do not impact on the environment in terms of pollution or depletion of sources. To help chemist to achieve this aim, some principles are drawn, which one is not the guiding principle	A. avoid waste production B. use no solvent C. use a catalyst D. devise a multistep procedure for synthesis of new compounds
3	Starch gives _____ color with iodine:	A. blue B. red C. yellow D. green
4	In diamond, which hybridization is there?	A. sp ² B. dsp ² C. sp ³ D. sp
5	Enzymes consist of	A. proteins only B. proteins and non-protein parts C. fats only D. futs and non-fatty components
6	The concentration of dissolved molecular oxygen in water which acts as the most important oxidizing agent ranges from	A. 2 ppm - 6 ppm B. 2 ppm - 4 ppm C. 4 ppm - 8 ppm D. 2 ppm - 3 ppm
7	Why a C - Cl bond breaks by uv light	A. Cl is most electronegative B. Cl is volatile C. C - Cl bond energy is smaller than that of C - H bond energy D. Uv light provides energy which is sufficient to break C - Cl bond and not C - H bond
8	which of the following is not a symmetrical ketone	A. 4-heptanone B. Butanone C. Propanone D. 3-pentanone
9	Nitrogen is present in air as a major constituent it is an inactive gas in comparison with oxygen which is the next major constituent of air Nonreactive nature of nitrogen is due to the reason.	A. There is one lone pair of electron on each nitrogen atom in its molecule B. Nitrogen have three unpaired electron i its 2p orbital which is comparatively stable electrnic configuration C. There is a triple covalent bond in nitrogen molecule which in very strong and molecule is polar D. There is a triple covalent bond in nitrogen molecule which is very strong and molecule is non polar
10	The film forming components of paints are	A. resins B. thinners C. pigments D. driers
11	Condensation occurs between amino acids with the elimination of	A. H ₂ O B. H ₂ C. O ₂ D. NH ₃
12	The electrolyte used in fuel cell is	A. KOH B. NaCl(aq) C. NaNO ₃ D. Molten NaCl
13	Ionization of KClO ₃ . is suppressed by	A. Increasing temperatuse B. adding KCl C. adding NaNO ₃ D. adding HCl

		D. Decreasing temperature
14	Aniline is the derivative of the benzene containing the	A. Hydroxyl group B. Amino group C. Amido group D. Imido group
15	Final product of hydrolysis of nitrile is	A. Ketone B. Alcohol C. Aldehyde D. Carboxylic acid
16	Unit of ozone is?	A. Debye B. Dobson C. Esu D. Coulumb
17	d-d transition cannot be observed in	A. Cr B. Cu C. Mn D. Zn
18	Ozone is usually produced in the	A. South polar region B. North pole region C. Tropical region D. Thermosphere zone
19	The yellow color present in the photo chemical smog is due to presence of the	A. Carbon dioxide B. Nitrogen dioxide C. Chlorine D. All
20	Alicyclic compounds are the homocyclic compounds which contain a ring of	A. 5 or more carbon atoms B. 6 or more carbon atoms C. 3 or more carbon atoms D. 4 or more carbon atoms