

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	The bond angle between any two sp hybrid orbitals is	A. 109.28° B. 120° C. 90° D. 80°
2	The main pollution leather tanneries in the waste water is due to the salt of:	A. chromium B. copper C. calcium D. lead
3	Troposphere extends upto km:	A. 0-15 km B. 10-15 km C. 15-40 km D. 15-40 km
4	A molecule of polysaccharide on hydrolysis produces _____ molecules of monosaccharide	A. 2 - 10 B. 3 C. 10 D. 2
5	The long chains of amino acids are coiled around one another into a spiral by	A. ionic bond B. Van der Waal's forces C. hydrogen bonding D. overlapping of orbitals
6	Scandium has atomic number 21, which one will be its electronic configuration.	A. $1s^2, 2s^2, 2p^6, 3s^2, 3p^6, 3d^1$ B. $1s^2, 2s^2, 2p^6, 3s^2, 3p^6, 4s^2, 3d^1$ C. $1s^2, 2s^2, 2p^6, 3s^2, 3p^6, 4s^2, 4p^1$ D. $1s^2, 2s^2, 2p^6, 3s^2, 3p^6, 4s^1, 4p^2$
7	Which of the following statement is not correct for glycogen	A. It is main storage of carbohydrates B. Its structure does not resemble Amylopectin C. It has 4 and 1 glycosidic linkage D. On hydrolysis it yields glucose units
8	Which of the following is not macromolecule?	A. Proteins B. Carbohydrates C. Acrylonitrile D. Lipids
9	Which of the compounds cannot show positional isomerism?	A. Alkanes B. Alkenes C. Alkynes D. Alcohols
10	Which of the following compound is expected to be colored	A. Na_2SO_4 B. $ZnCl_2$ C. MgF_2 D. CuF_2
11	Which of the following molecule has largest number of shared pair of electrons?	A. CO_2 B. N_2 C. NH_3 D. C_2H_4
12	SO ₂ produced by volcanoes is about	A. 75% B. 67% C. 69% D. 70%
13	Coenzymes are the species which increase the activity of enzymes. They are chemically:	A. metal ions B. none - metals

		C. organic acids D. organic bases
14	The pressure of gas at constant temperature in a container of 2dm ³ is 10 atm what will be its final pressure if it is connected with 10 dm ³ container	A. 2 atm B. 1.6 atm C. 5 atm D. 1 atm
15	Ozone layer is	A. 25 - 28 km high B. 26 - 29 km high C. 24 - 27 km high D. 20 - 28 km high
16	A single chlorine free radical can destroy how many ozone molecules	A. 10 B. 100 C. 1000 D. 10000
17	Monohalo derivatives of alkanes are called:	A. two glucose molecules B. alkyl halide C. alkenes D. imide
18	Coagulation removes suspended particles in ran water:	A. 60% B. 70% C. 80% D. 90%
19	If K _c value is small then equilibrium position will shift	A. Towards left B. Remains unchanged C. Towards right D. It is always constant value
20	In a group, the atomic radii from top to bottom	A. increase B. decrease C. don't change D. show variable trend