

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Electrical conductivity of graphite is greater in one direction than in other due to	A. Isomorphism B. Cleavage plane C. Anisotropy D. Symmetry
2	The reaction of aldehydes and ketones with ammonia derivatives $G-NH_3$ to form compounds containing $>C=N-C$ and water is known as _____ reaction.	A. Nucleophilic addition B. Electrophilic addition C. Electrophilic substitution D. Nucleophilic substitution
3	Which of the following is a simple protein	A. Albumins B. Legumin C. Callogen D. All
4	For $N_2 + 3H_2 \rightleftharpoons 2NH_3$, if K_c is 1 then value of K_p at 273K would be	A. 1/22.414 B. $1/(22.414)^2$ C. 22.414 D. 11.207
5	Unit of ozone is?	A. Debye B. Dobson C. Esu D. Coulomb
6	Rancidification of fats and oils is due to:	A. oxidation reaction B. hydrolysis reaction C. both a and b D. hydrogenation reaction
7	Which of the following is NOT used for polyvinylacetate (PVA)	A. An adhesive material B. Binder for emulsion C. Used as gramophone D. None of these
8	Organic synthetic or man-made polymers are plastics, rubber and fibre. Which is not a synthetic polymer	A. silk B. polyester C. polyvinyl chloride (PVC) D. nylon
9	Contaminated soil can be cleaned by various methods. Which method is not used to clean the soil	A. diffusion B. convection C. electrophoresis D. chromatography
10	The structure of a polymer depends upon how the monomer-repeating unit joins to make a polymer. What is not the type of structure of a polymer	A. Synthetic polymer B. Linear polymer C. Branched D. Cross linked or inter connected polymer
11	General formula of aliphatic carboxylic acids:	A. R-OH B. R-COH C. R-CO-R D. RCOOH
12	Ionic bond is produced after complete transfer of	A. nucleus B. neutrons C. electrons D. protons
13	The products of electrolysis of which of the following are known	A. Fused electrolyte B. Aqueous solution of electrolyte C. Solid electrolyte D. Solid metal
14	Beryllium differs from other elements of group II-A due to	A. high charge density B. comparatively high nuclear charge C. small radius D. all above
15	In nucleophilic substitution bimolecular reaction the order of reaction with respect to substrate	A. 2 order B. 3 order C. 1st order D. 0 order

D. Zero order

16 Which of the following does not give flame test?

- A. Li
- B. Ba
- C. Mg
- D. Sr

17 The fibre which is made from acrylonitrile as monomers

- A. PVC
- B. Rayon fibre
- C. Acrylic fibre
- D. Polyester fibre

18 Choose the chief air pollutant among the following which depletes ozone layer

- A. Carbon monoxide
- B. Carbon dioxide
- C. Chlorofluorocarbons and nitrogen oxides
- D. Sulphur dioxide

19 The pH range of acid rain is?

- A. 7-6.5
- B. 6.5-6
- C. 6-5.6
- D. Less than 5

20 The density of neon will be highest at

- A. STP
- B. 0°C, 2 atm
- C. 273°C, 1 atm
- D. 273°C, 2 atm