

MDCAT Chemistry Online Test

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Sr	Questions	Answers Choice
1	Which of the following reagents is used to distinguish between aldehydes and ketones.?	A. 2,4 NDPH B. Bromine C. Alkaline lodine D. Tollen's reagent
2	On hydrolysis sucrose gives	A. Glucose and maltose B. Fructose and lactose C. Fructose and maltose D. Glucose and fructose
3	2,4,6- Trinitrophenol is commonly called as	A. Phthalic acid B. Tartaric acid C. Malonic acid D. Picric acid
4	In the formation of Zwitter ion which one of the following donates the proton?	A. COOH B. NH2 C. CH2COO- D. OH-
5	ΔH=ΔE is true for which of the following reaction	A. K+H2O>KOH+H2 B. N2+3H2>2NH3 C. AlCl3+3NaOH>Al(OH)3+3 NaCl D. 4Na + O2>2Na2O
6	Reason of pollution are:	A. Population and urbanization B. Transportation C. Industrialization D. All of these
7	Which is the correct electronic configuration of chromium.	A. 1s ² ,2s ² ,3s ² ,2p ⁶ ,3p ⁶ ,4s ² ,3d ⁶ B. 1s ² ,2s ² ,2p ⁶ ,3p ⁶ ,3d ⁶ C. 1s ² ,2s ² ,3s ² ,3p ⁶ ,3p ⁶ ,4s ² ,3d ⁴ D. 1s ² ,2s ² ,2s ² ,2s ² ,3s ² ,3s ² ,3s ² ,3s ⁶ ,3p ⁶ ,4s ² ,3d ⁵ D. 1s ² ,2s ² ,2s ² ,3d ⁵
8	Which one of the following is co-polymer	A. PVC B. PVA C. Polystyrene D. Terylene
9	If volume of an ideal gas at 0°C 536cm3, what is volume at 1°C	A. 373 cm3 B. 646 cm3 C. Becomes 0cm3 D. 746 cm3
10	To purify water which has mud dissolved in it, a substance which coagulates the suspended particles is	A. Ag ⁺ B. Cu ²⁺ C. A ³⁺ D. Si ⁴⁺
	used. The coagulant may be	

	nature'?	
12	The water is considered to be polluted when the concentration of oxygen in it is	A. 6 - 9ppm B. 6 ppm C. 8 ppm D. Less than 4pm
13	A chemist says that glass must be a super cooled liquid. the reason that he might have in his mind is that glass has:	A. Definite shape B. Definite volume C. Crystalline structure D. No crystalline structure
14	Tertiary alcohols are the easiest to dehydrate because	A. They form stable carbocation B. They have less hydrogen C. They have bigger size D. They are polar
15	What will be the shape of a molecule which containstwo sigma bond pairs and one lone pair?	A. Linear B. V shape C. Tetragonal D. Triangular
16	Natural fertilizers are materials derived form:	A. plants b: animals only C. both plant and animals D. none of all C. both plant and animals D. none of all C. both plant and animals D. none of all D. none of all D. none of all C. both plant and animals D. none of all D. none of all D. none of all C. both plant and animals D. none of all D. none of all
17	Which is the polymer that has amide linkage in its structure	A. PVC B. Poly ethene C. Polyester D. Nylon
18	A complete food contains at least:	A. three nutrients B. ten nutrients C. six nutrients D. eight nutrients
19	Denaturation of protein means the structure of protein is distrupted. indicate which factor does not denature protein	A. heating protein B. pH changes C. oxidising agent D. keeping pH 7.35
20	.The number of moles in 2.24 dm3 of H2 gas at STP is:	A. 1 B. 0.1 C. 10 D. 0.01