

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Type of isomerism in BrCH=CHBr is:	A. Structural isomerism B. <blockquote style="margin: 0 0 0 40px; border: none; padding: 0px,">Conformational isomerism</blockquote> C. Geometrical isomerism D. Positional isomerism
2	Benzene has a structure	A. Pentagonal B. Hexagonal C. Heptagonal D. Tetragonal
3	Which statement is not correct	A. Enzymes catalyst a specific reaction B. Enzymes show catalytic activity at a specific temperature C. The catalytic activity of enzymes is stopped if optimum pH is changed D. The catalytic activity is poisoned by a co-enzymes
4	Silk is an example of	A. Animal fiber B. Vegetable fibre C. Mineral fibre D. None of these
5	Which of the following pairs are chemically dissimilar?	A. Na and K B. Ba and Sr C. Zr and Hf D. Ca and Zn
6	$N_2O_4{\rightleftharpoons}~2NO_2$ For the above reaction, which of the Following expression of K_c correct :	A. <o:p></o:p> Kc = [N ₂ O ₄]/[NO ₂ ₂ [NO ₂ ² <o:p></o:p> B. Kc = [N ₂ O ₄₂ O ₄₂ O ₄₂ O ₄₂ O sub>42O sub>4 C. Kc = [N ₂ O sub>4] O:p> D. Kc = [N ₂ O ₄]/[N O ₂]/[N O ₂]/[N
7	Tryosine was isolated from	A. Butter B. Cheese C. Oils D. Fats
8	In the presence of copper electrodes the electrolysis of aqueous CuSO ₄ produces at cathode	A. H ₂ gas B. O ₂ gas C. SO ₂ gas D. Cu metal
9	The benzene molecule contains	A. Three double bonds B. Two double bonds C. One double bonds D. Delocalizedπ-electron charge
10	Synthesis rubber is made by polymerization :	A. Chloroform B. Acetylene C. Divinyl acetylene D. Butene
11	Chlorobenzene on heating with aqueous NH3under pressure in the presence of cuprous chloride gives	A. Benzamide B. Nitrobenzene C. Aniline D. Chloroaminobenzene
12	In which type of following solutions the total volume of solutions may not be necessarily equal to sum of volumes of solute and solvent?	A. Percentage volume/volume B. Percentage volume/weight C. Percentage weight/volume

		D. Percentage weight/weight
13	Which of the following metals is sometimes found in native state in nature?	A. AI B. Cu C. Fe D. Mg
14	Negatively charged particle nature of cathode rays was first demonstrated in 1895 by:	A. Millikan. B. J. Perrin. C. Hittrof D. J.J. Thomson.
15	which of the following has smaller size:	A. Fe+ ^{3<0:p>} B. Fe+ ^{2<0:p>} C. Fe+ ^{1<0:p>} D. Fe1<0:p> O:p>
16	Orlon is a polymer of	A. Tetrafluoroethylene B. Acrylonitrile C. Ethanoic acid D. Benzene
17	The self linking of carbon atoms is called	A. Chelation B. Isomerism C. Catenation D. None of the above
18	Mottling of teeth is due to presence of an element in drinking water	A. Mercury B. Fluorine C. Boron D. Chlorine
19	Heat absorbed by a system when its volume does not change is equal to	A. Internal energy of system B. Enthalpy of system C. Increase in internal energy of system D. Increase in enthalpy of system
20	In the ground state of an atom, the electron is present:	A. In the nucleus.B. In the second shell.C. Nearest to the nucleus.D. farthest from the nucleus.