

## ECAT Chemistry MCQ's Test For Full Book

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Sr	Questions	Answers Choice
1	When primary amine reacts with chloroform in ethanolic KOH, then the product is	A. An isocyanide B. An aldehyde C. A cyanide D. An alcohol
2	The unit of rate constant k is the same as that of the rate of reaction in	A. First order reaction     B. Second order reaction     C. Third order reaction     D. Zero order reaction
3	A process which takes place on its own without any outside assistance and moves from a non-equilibrium stat towards an equilibrium stat is termed as:	<ul><li>A. Spontaneous process.</li><li>B. Natural process.</li><li>C. Non-Spontaneous process.</li><li>D. Both (a) and (b).</li></ul>
4	Which of the sub-atomic particles is not charged	A. Electron B. Proton C. Neutron D. All of them
5	When a colourless gas is passed through bromine water only decolourisation takes place the gas is	A. SO <sub>2</sub> B. HBR C. HCI D. H <sub>2</sub> S
6	Monosaccharides and oligosacchradies are generally called as	A. Crystals B. Sugars C. Liquids D. Non-sugars
7	Which of the following is explosive:	A. Trinitropheonal B. Nitropheonal C. Nitromethane D. Nitrobenzene
8	Periodic law was given by:	A. Al-Razi B. Dobriener C. Newland D. Mendeleev
9	Which of the following hydrides ionic in nature	A. NaH B. CH4 C. NH4 D. H2S
10	If $\alpha$ us the degree of dissociation of Na $_2$ SO $_4$ the vant Hoff's factor (1) used for calculating the molecular mass is	A. 1 + <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: small;">α</span> B. 1 - <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: small;">α</span> C. 1 + 2 <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: small;">α</span> D. 1 - 2 <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: small;">α</span> font-size: small;">α
11	Sometimes a yellow turbidity appears while passing $H_2S$ gas even in the absence of II group radicals. This is because	A. Sulphur is present in the mixture as impurity B. IV group radicals are precipitated as sulphides C. Of the oxidation of H <sub>2</sub> S gas by some acid radicals D. Ill group radicals are precipitated as hydroxides
12	The forced which holds together two or more atoms or ions to form a large variety of compounds in called:	<ul><li>A. A chemical bond.</li><li>B. An ionic bond.</li><li>C. A covalent bond.</li><li>D. A coordinate bond.</li></ul>
13	Which of the following polymers is used for weather resistant paints	A. Arcylic resins B. Polyvinyl acetate

		C. Polystyrene D. PVC
14	Equal masses of methane and oxygen are mixed in an empty container at 25°CThe fraction of total pressure exerted by oxygen is :	A. 1/2 B. 8/9 C. 1/9 D. 16/17
15	Question Image	A. At equilibrium there is no further change in the concentration of HI B. At equilibrium concentration of I <sub>2</sub> remains constant C. At equilibrium concentration of H <sub>2</sub> remains unaltered D. At equilibrium the rate of formation of HI is equal to the rate of decomposition of HI
16	Transition metals mostly are	A. Diamagnetic     B. Paramagnetic     C. Neither diamagnetic nor paramagnetic     D. Both diamagnetic and paramagnetic
17	Question Image	
18	The three N - H <mark>σ</mark> -bonds are made by	A. sp <sup>3</sup> - s overlap B. sp <sup>2</sup> - s overlap C. P - p overlap D. sp - overlap
19	Which halogen has lustrous shining?	A. F <sub>2</sub> B. Cl <sub>2</sub> C. Br <sub>2</sub> D. I <sub>2</sub>
20	Dehydration of ethyl alcohol yields	A. Aldehyde B. Ketone C. Acid D. Alkene