

## ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	During reaction of O <sub>2</sub> and alkenes, a product:	A. Glycol B. Epoxide C. Halohydrin D. Ethylene glycol
2	Hybridization in alkanes is:	A. sp B. sp <sup>2</sup> C. sp <sup>3</sup> D. dsp <sup>2</sup>
3	Which is liquid among the following alkenes?	A. Ethane B. Propene C. Butene D. Pentene
4	Eletronegativity difference in C-C bond in alkanes is:	A. Zero B. Double C. Half D. 4.0
5	Alkanes are least reactive towards:	A. Acids and bases B. Reducing agents C. Oxidizing agents D. All of these
6	Boiling point of n-butane is:	A. -102°C B. -75°C C. -55°C D. 55°C
7	Alkanes are gases :	A. C <sub>1</sub> -C <sub>4</sub> B. C <sub>5</sub> -C <sub>10</sub> C. C <sub>11</sub> -C <sub>15</sub> D. C <sub>10</sub> -C <sub>20</sub>
8	Alkyne is :	A. CH <sub>3</sub> -CH <sub>3</sub> B. CH <sub>4</sub> C. CH <sub>2</sub> =CH <sub>2</sub> D. C <sub>2</sub> H <sub>2</sub>
9	Alkene general formula :	A. C <sub>n</sub> H <sub>2n+2</sub> B. C <sub>n</sub> H <sub>2n</sub> C. C <sub>n</sub> H <sub>2n-2</sub> D. C <sub>n</sub> H <sub>2n+1</sub>
10	Odour of alkene is:	A. Fruity B. Odourless C. Zarlic like D. Irritating
11	acetylene can be converted into-while passing through a Cu-tube at 300°C:	A. Glyoxal B. Vinyl acetylene C. Vinyl alcohol D. Benzene
12	Which is more active ?	A. Alkanes B. Alkenes C. Alkynes D. Benzene
13	Alkanes have functional group :	A. ---X B. --OH C. ---COH D. No functional group
14	Free radical mechanism of halogenation of alkanes follow step:	A. Initiation B. Propagation C. Termination

		C. Termination D. All of these
15	Which is symmetric alkene?	A. $\text{CH}=\text{C}-\text{CH}_2$ B. $\text{CH}=\text{C}-\text{CH}_2-\text{CH}=\text{C}-\text{CH}_2$ C. $\text{CH}_2=\text{C}-\text{CH}_2-\text{C}=\text{CH}_2$ D. B and C
16	Which decolourizes the colour of $\text{Br}_2$ ?	A. $\text{CH}_2$ B. $\text{CH}_2=\text{C}-\text{CH}_2-\text{CH}=\text{C}-\text{CH}_2$ C. $\text{CH}_2=\text{C}-\text{CH}_2-\text{CH}=\text{C}-\text{CH}_2$ D. $\text{CH}_2=\text{C}-\text{CH}_2-\text{CH}=\text{C}-\text{CH}_2$
17	Reaction of ethanes with $\text{KMnO}_4$ gives:	A. Ozonide B. Glyoxal C. Glycol D. Oxalic acid
18	Which one of the following gases is used for artificial ripening of fruits ?	A. Ethane B. Ethyne C. Methane D. Propane
19	When methane reacts with $\text{Cl}_2$ in the presence of diffused light the products obtained are?	A. Chloroform only B. Carbon tetrachloride only C. Chloromethane and dichloromethane D. Mixture of a,b,c
20	$\beta$ - $\beta$ - dichloroethyle sulphide is commonly known as:	A. Mustared gas B. Laughing gas C. Phosgene gas D. Bio gas
21	Synthesis rubber is made by polymerization :	A. Chloroform B. Acetylene C. Divinyl acetylene D. Butene
22	The addition of unsymmetrical reagent to unsymmetrical alkene is in accordance with the rule:	A. Hund's rule B. Markownikov's rule C. Pauli's Exclusion Principle D. Auf bau Principle
23	Vinyl acetylene combines with HCl to form:	A. Polyacetylene B. Benzene C. Chloroprene D. Divinyl acetylene
24	The presence of a double bond in a compound in the sign of:	A. Saturation B. Unsaturation C. Subsitution D. None
25	Formula of chloroform is:	A. $\text{CH}_2\text{Cl}$ B. $\text{CCl}_4$ C. $\text{CH}_2\text{Cl}_2$ D. $\text{CHCl}_3$
26	Preparation of vegetable ghee involves:	A. Halogenation B. Hydrogenation C. Hydroxylation D. Dehydrogenation
27	Coal is used to bake bricks in lime kiln:	A. 40% B. 60% C. 80% D. None of these
28	In the presence of high temperature and pressure peat is converted to:	A. Lignite B. Polymorphism C. Polymerization D. Catenation
29	Self linkage of carbon to produce long chains	A. isomerism B. Polymorphism C. Polymerization D. Catenation
30	Wohler synthesized first of all the organic compound:	A. Carbohydrates B. Urea C. Aniline D. Toluene

