

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Aromatic hydrocarbons are the derivatives of	A. Normal series of paraffins B. Alkene C. Benzene D. Cyclohexane
2	The benzene molecule contains	A. Three double bonds B. Two double bonds C. One double bonds D. Delocalized π -electron charge
3	A single benzene ring can have _____ ortho position maximally	A. One B. Two C. Three D. Four
4	Which of the following is not an ortho-para directing group	
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6	Which of the following is not an electrophilic substitution reaction of benzene	A. Nitration B. Sulphonation C. Friedel-Craft alkylation D. Free radical chlorination of benzene
7	Which of the following reaction is characteristic of benzene	A. Electrophilic substitution reaction B. Reduction C. Oxidation D. Ozonolysis
8	Preparation of ethylbenzene by the reaction of bromobenzene, ethylbromide and sodium is called	A. Wurtz reaction B. Fitting reaction C. Wurtz fitting reaction D. None of these
9	When sodium benzoate is treated with soda lime (NaOH) benzene is formed. What is the other product	A. Na_2CO_3 B. NaHCO_3 C. Ca(OH)_2 D. CaCO_3
10	The carbon, carbon bond length in benzene is	A. 1.54\AA B. 1.34\AA C. 1.20\AA D. 1.39\AA
11	Cyclohexane can be converted not benzene in the presence of	A. Pt at 100°C B. Pt at 250°C C. Pd at room temperature D. Pt at room temperature
12	Question Image	A. 2-bromonitrobenzene B. 2-nitrobromobenzene C. 1-bromonitrobenzene D. 1-nitrobromobenzene
13	Introduction of a second methyl group in methylbenzene will give how many isomeric dimethylenzenes	A. 2 B. 1 C. 3 D. 4
14	Which of the following is not aromatic hydrocarbon	A. Benzene B. Naphthalene C. Toluene D. Cyclohexene
15	The simplest and the parent members of aromatic hydrocarbon is	A. Benzene B. Toluene C. Biphenyls D. Naphthalene
16	The order of dehydration of alcohol	A. $10^\circ > 20^\circ > 30^\circ$ B. $10^\circ > 30^\circ > 20^\circ$ C. $20^\circ > 30^\circ > 10^\circ$ D. $30^\circ > 20^\circ > 10^\circ$

17	Question Image	A. 3 B. 4 C. 5 D. 2
18	The gasoline having octane No. 100 has _____	A. More knocking B. Less knocking C. No knocking D. Only knocking
19	Question Image	A. 1, 5-pentadiene B. Penta-1, 4-diene C. 1, 1-pentadiene D. 1, 4-pentene
20	Which structure shows a primary alcohol	
21	Question Image	A. 2, 2, 4-trimethylpentane B. 2, 4, 4-trimethylpentane C. 2, 4, 4-methyepentane D. 2, 2, 4-methylpentane
22	Question Image	A. 0 B. 1 C. 2 D. 3
23	Question Image	A. 1 B. 2 C. 3 D. 4
24	Question Image	A. Condensation B. Dehydration C. Dehydrogenation D. Hydrogenation
25	Which of these always applies to a nucleophile	A. It attacks a double bond B. It has a lone pair of electrons C. It is single atom D. It is negatively charged
26	Question Image	A. Addition Elimination B. Addition Reduction C. Elimination Reduction D. Substitution Elimination
27	Question Image	A. 0 1 B. 0 2 C. 1 1 D. 1 2
28	How many structural acid cis-trans isomers are there for dichloroprepe, $C_3H_4Cl_2$	A. 3 B. 5 C. 6 D. 7
29	Cracking done at low pressure and with a catalyst is called _____ cracking	A. Thermal B. Catalytic C. Steam D. None of them
30	A nuclophile must	A. Be an atom B. A group of atoms C. Have a lone pair D. Be negatively charged