

## ECAT Chemistry Chapter 20 Aromatic Hydrocarbons

Sr	Questions	Answers Choice
1	Bond angle in benzene is	A. 109.5° B. 180° C. 120° D. 107.20
2	Simple aromatic compound is:	A. benzene B. toluene C. aniline D. phenol
3	Which of the following is explosive?	A. Trinitrophenol B. Nitrophenol C. Nitromethane D. Nitrobenzene
4	Which compound is the most reactive one:	A. benzene B. ethene C. ethane D. ethyne
5	Benzene gives reactions generally:	A. Electrophilic substitution B. addition C. synthesis D. addition and electrophilic substitution
6	Aromatic compounds burn with sooty flame cause	A. They have high percentage of hydrogen B. They have a ring structure C. They have high percentage of carbon D. They resist reaction with air
7	Which is the property of benzene?	A. decolourizes $\text{KMnO}_4$ B. straight chain structure C. only double bond is present D. triple and double bond
8	Resonance energy of benzene is (in $\text{KJ mol}^{-1}$ )	A. 120 B. 150 C. 170 D. 180
9	Ratio of carbon to hydrogen in aromatic compounds is	A. Low than alkanes B. High than alkanes C. Low than alkenes not high than alkanes D. High than high than alkenes
10	The electrophile in aromatic sulphonation is	A. $\text{H}_2\text{SO}_4$ B. $\text{HSO}_4^-$ C. $\text{SO}_3$ D. $\text{SO}_3^+$
11	Ozonolysis of benzene gives	A. nitration B. sulphonation C. ozonide D. glyoxal
12	empirical formula mass of benzene is time lesser than molecular formula mass:	A. four B. five C. six D. seven
13	Aromatic hydrocarbons are derivatives of	A. normal series of paraffins B. alkene C. benzene D. cyclohexane
14	Benzene was discovered by first of all	A. Michael Faraday B. Hofmann C. Ainderson D. Sorenbon

15	Benzene gives reactions generally	A. electrophilic B. addition substitution C. synthesis D. addition and electrophilic substitution
16	Aromatic compounds burn with sooty flame cause:	A. They have high percentage of hydrogen B. They have ring structure C. They have high percentage of carbon D. They resist reaction with air
17	Ozonolysis of benzene gives:	A. Nitration B. sulphonation C. ozonide D. glyoxal
18	Benzene cannot undergo	A. substitution reactions B. addition reactions C. oxidation reactions D. elimination reactions
19	Amongst the following, the compound that can be most readily sulphonated is:	A. Toluene B. Benzene C. nitrobenzene D. chlorobenzene
20	Which of the following is explosive:	A. Trinitrophenol B. Nitrophenol C. Nitromethane D. Nitrobenzene