ECAT Chemistry Chapter 20 Aromatic Hydrocarbons Online Test

Sr	Questions	Answers Choice
1	The benzene molecule contains	A. Three double bond B. Two double bond C. One double bond D. Delocalized pie electron charge
2	Aromatic hydrocarbons are derivatives of	A. normal series of paraffins B. alkene C. benzene D. cyclohexane
3	Which of the following acid can be used as a catalyst in Friedel Craft's reaction?	A. AlCl₃ B. HNO₃ C. BeCl₂ D. NaCl
4	Benzene cannot undergo	A. substitution reactions B. addition reactions C. oxidation reactions D. elimination reactions
5	Amongst the following, the compound that can be most readily sulphonated is	A. toluene B. benzene C. nitrobenzene D. chlorobenzene
6	During nitration of benzene. the active nitrating agent is	A. NO₃⁻¹ B. NO₂⁺ C. NO₂⁻¹ D. HNO₃
7	Acyiation of benzene to produce aliphatic aromatic ketones is known as	A. Friedel Craft's reaction B. benzenecondensation C. hydroformylation D. Clemmensen reduction
8	Benzene reacts with Cl, in sunlight to give the end product	A. C₆H₆Cl₆ B. C₆H₆Cl C. O - C₆H₄Cl₂ D. P-C₆H₄Cl₂
9	Which of the following is explosive?	A. Trinitrophenol B. Nitrophenol C. Nitromethane D. Nitrobenzene
10	Which compound is the most reactive one?	A. benzene B. ethene C. ethane D. ethyne
11	Among the following, poly cyclic compound is	A. styrene B. cumene C. naphthalene D. xylene
12	The electrophile in aromatic sulphonation Is	A. H₂SO₄ B. HSO₄⁻ C. SO₃ D. SO₃⁺
13	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
14	The conversion of n-hexane into benzene by heating in the presence of CO, is called	A. Isomerization B. Aromatization C. Dealkylation D. Rearrangement
15	Simplest aromatic compound is	A. bezene B. toluene C. aniline D. phenol

16	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
17	Kekule structures contributed towards actual structure of benzene	A. 60% B. 70% C. 80% D. 90%
18	Resonance energy of benzene is (in KJ mol^{-1})	A. 120 B. 150 C. 170 D. 180
19	Benzene gives reactions generally	A. electrophilic B. addition substitution C. synthesis D. addition and electrophilic substitution
20	Monosubstituted benzene can have disubstitution at position	A. ortho B. meta C. para D. a, b, c
21	Ozonolysis of benzene gives	A. nitration B. sulphonation C. ozonide D. glyoxal
22	Benzoic acid can be prepared from the oxidation of	A. benzene B. ethyl benzene C. benzoic acid D. toluene
23	Bond angle in benzene is	A. 109.5° B. 180° C. 120° D. 107.20
24	Empirical formula mass of benzene is times lesser than molecular formula mass	A. four B. five C. six D. seven
25	Which is the property of benzene?	A. decolourizes KMnO₄ B. straight chain structure C. only double bond is present D. triple and double bond
26	The hydridization in benzene is	A. sp³ B. sp² C. sp⁴ D. dsp²
27	Benzene was discovered by first of all	A. Michael Faraday B. Hofmann C. Ainderson D. Sorenbon
28	Which terms was derived from " aroma"?	A. atom B. hydrocarbons C. aromatic D. aliphatic
29	Which term was derived from atomos?	A. atom B. hydrocarbon C. aromatic D. aliphatic
30	Arenes are also called	A. atom B. hydrocarbons C. aromatic D. benzene
31	The benzene molecule contains:	A. Three double bond B. Two double bond C. One double bond D. Delocalized<span style="font-size:12.0pt;line-height:107%; font-family:"Plantagenet Cherokee","serif";mso-fareast-font-family:Calibri; mso-fareast-theme-font:minor-latin;mso-bidi-font-family:"Times New Roman"; mso-ansi-language:EN-US;mso-fareast-language:EN-US;mso-bidi-language:AR-SA"> electron charge
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33	Which of the following acid can be used as a catalyst in Friedel craft's reaction	A. AlCl³ B. HNO₃ C. BeCl₂ D. NaCl
34	Benzene cannot undergo:	A. Substitutions reactions B. Addition reactions C. Oxidation reactions D. Elimination reactions
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58	Benzene was discovered by first of all:	A. Micheal Faraday B. Hofmann C. Ainderson D. Sorenbon
59	Which term was derived from "aroma":	A. Atom B. Hydrocarbons C. aromatic D. aliphatic
60	Aroma meas:	A. Fragrant B. Invisible C. latest affinityt D. benzene
61	Characterstics of aromaic are:	A. how hydrogen carbon ratio than alkanes B. characterstics oudour C. a &B D. Characterstics properties