ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Hydrolysis of Grignard's reagent gives:	A. Alcohol B. Halide C. Alkyl D. Alkane
2	Organic compounds containing halogen atom are called:	A. R---OH B. R----X C. R----NH₂ D. R----COH
3	The order of reactivity for a given halogen in Grignard's reagent is:	A. CH₃X > C₂H₅X > C₃H₄X > C₄H₄X B. C₂H₅X > C₃H₇X > C₄H₅X > CH₄X C. C₃H₇X > C₄H₇X > CH₃X > C₂H₅X D. C₄H₄X > C₃H₇X > C₂H₅X > CH₄X
4	Reactivity of alkyl halides with magnisium is of the order:	A. RI > RBr> RCl > RF B. RBr > RCl >RF > RI C. RCL > RF > RI > RBr D. RF >RI >RBr > RII
5	Grignard's reagent was prepared in:	A. 1900 B. 1910 C. 1920 D. 1930
6	Steps in SN , reactions are:	A. One B. Two C. Three D. Four
7	Electronegativity order of alkyl halides is:	A. RI > RBr > RCl > RF B. Rbr > RCl > RF >RI C. RCl > RF >RI > RBr D. RF >Ri > RBr >RII
8	Catalyst in the reaction ROH + $SOCl_2$-------> RCL+SO_2+HCl is:	A. ZnCl₂ B. Pyridine C. H₂SO₄ D. Either
9	Primary carbon attaches with other hydrogen atoms directly:	A. One B. Two C. Three D. At least one or more than it
10	Reation of which with Grignard's reagent gives primary alcohol:	A. Formaldehyde B. Aldehyde C. Ketones D. Acetone
11	Reaction of Griganard's reagent with CO_2gives:	A. Aldehyde B. Pri-alcohol C. Sec-alcohal D. Carboxylic acid
12	Metal used in the preparation of Grignard's reagent is:	A. Ca B. Na C. Mg D. Zn
13	E_2has molecularity :	A. One B. Two C. Three

		D. Half
14	SN_2 reaction has order of reaction :	A. First B. Second C. Third D. Zero
15	Alkyl halides are reactive :	A. High B. Medium C. Less D. Least
16	Best medhod of preparation of alkyl halide from alcohals is by its reaction with:	A. HX B. SOCl₂ C. Px₅ and PX₃ D. All
17	General formula of alkyl halide is:	A. R----X B. R----OH C. R------COH D. R------COOH
18	which one of the following is not a nucleophile?	A. H₂O B. H₂S C. BF₃ D. NH₃
19	The rate of E_1reaction depends upon:	A. The concentration of substrate B. The concentration of nucleophile C. The concentration of substrate as well as nucleophile D. None of these
20	Alkyl halides are considered to be very reactive compounds towards nucleophiles, because:	A. They have an electrophilic carbon B. They have an electrophilic carbon and good living gorup C. They have an electrophilic carbon and bad living group D. They have an nucleophilic carbon and good living gorup
21	For which mechanisms, the first step involved is the same:	A. E₁ and E₂ B. E₂and SN₂ C. E₂ and E₁ D. E1 and SN₁
22	Elimination bimolecular reactions involve:	A. First order Kinetics B. Third order kinetics C. Zero order kinetics
23	SN_2reactions can be best carried out with:	A. Prl. alkyl halide B. Sec. Alkyl halide C. Ter. Alkyl halide D. All of three
24	Grignard reagent is reactive due to :	A. The presence of halogen atom B. The presence of Mg atom C. The polarity of C - Mg bond D. None of them
25	When CO_2 is made to react with ethyl megnesium iodine, followed by hydrolysis, the product formed is:	A. Propane B. Propanoic acid C. Propanal D. Propanol
26	The reactivity order of alkyl halides for a particular alkyl group is:	A. F >Cl>Br>I B. Cl>Br>F>I C. I>Br>Cl>F D. Br>I>Cl>F
27	In primary alkyl halides, the halogen atom is attached to a carbon which attached to how many carbon atoms?	A. Two B. Three C. One D. Four
28	Hydrocarbons contain :	A. Carbon only carbon B. Hydrogen only C. Carbon & hydrogen D. Carbon , hydrogen & halogen
		A. CH₃----C≡C-------CH₃

29	Which one gives acidic reactions?	 B. CH₃-----CH₂-----HC=CH----CH₂ C. CH₃----CH=CH₂ D. CH₃-----C≡CH
30	Mustard gas is a :	A. Gas B. Liquid C. Solid D. High boiling point