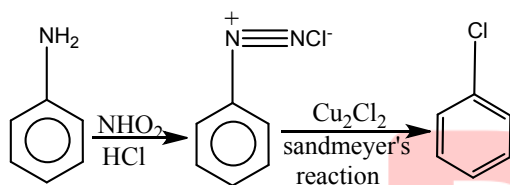


Topic :-HALOALKANES AND HALOARENES

1 (d)

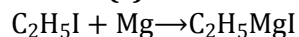
CCl₄ is used as medicine in this form.

2 (c)

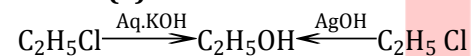


(Diazotization)

4 (c)



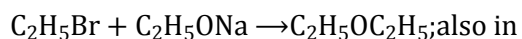
5 (a)



6 (b)

Due to less stable nature of CHI₃.

7 (c)



(a) C₂H₄ is formed; in (b) C₄H₁₀ is formed, in

(d) C₂H₅NC is formed.

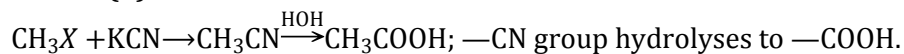
8 (c)

Phosgene is COCl₂.

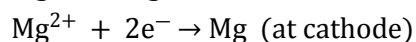
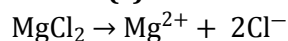
10 (c)



12 (b)

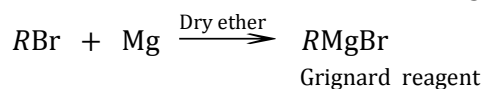


13 (c)



∴ 2F(2 × 96500 C) deposits Mg = 1 mol

$$\therefore 9.65 \text{ C charge will deposit Mg} = \frac{1 \times 9.65}{2 \times 96500} \\ = 5 \times 10^{-5} \text{ mol}$$

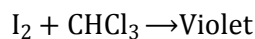
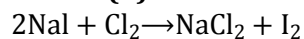


In order to prepare Grignard reagent, one mole of Mg is used per mole of reagent obtained. Thus, by $5 \times 10^{-5} \text{ mol mg}$, $5 \times 10^{-5} \text{ mole}$ of Grignard reagent is obtained.

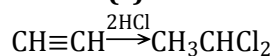
15 (c)

$C_2H_5CN(A)$ on hydrolysis gives C_2H_5COOH .

16 (d)



18 (c)

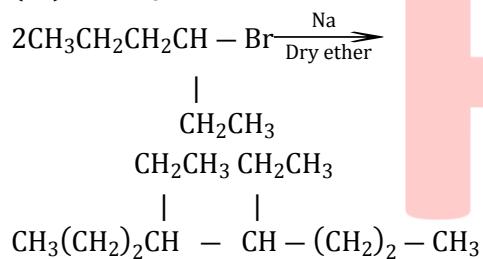


219 (a)

Allyl carbonium shows resonance and thus, allyl chloride is more reactive. Vinyl chloride shows resonance and thus, less reactive.

20 (b)

Since, the alkyl halide RX gives 4, 5-diethyloctane, when reacts with Na, it must be $CH_3(CH_2)_2CH(Br)CH_2CH_3$.



The reaction is known as Wurtz reaction.

PE

ANSWER-KEY										
Q.	1	2	3	4	5	6	7	8	9	10
A.	D	C	A	C	A	B	C	C	D	C
Q.	11	12	13	14	15	16	17	18	19	20
A.	A	B	C	C	C	D	B	C	A	B

PE