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HALO ALKANES AND HALOARENES

SUB TOPIC - IV. POLY HALOGEN COMPOUNDS

1.	Iodoform is used as 1) anaesthetic	2) antiseptic	3) analgesic	4) anti fibrin				
2.	The following is use	-						
	1) <i>CHCl</i> ₃	2) CH_2Cl_2	3) <i>CCl</i> ₄	4) <i>CH</i> ₃ <i>Cl</i>				
3.	In fire extinguishers	s, following is used						
	1) CH ₃ Cl ₃	2) CS ₂	3) <i>CCl</i> ₄	4) CH ₂ Cl ₂				
4.	The following is used for metal cleaning and finishing							
	1) CHCl ₃	2) <i>CHI</i> ₃	3) CH ₂ Cl ₂	4) C_6H_6				
5.	First chlorinated insecticide							
	1) DDT	2) Gammexene	3) Iodoform	4) Freon				
6.	Freon R - 22 is							
	1) CHClF ₂	2) <i>CCl</i> ₂ <i>F</i> ₂	3) <i>CH</i> ₃ <i>Cl</i>	4) CH_2Cl_2				
7.	The following is used as anaesthetic							
	1) C_2H_4	2) <i>CHCl</i> ₃	3) CH_2Cl_2	4) <i>DDT</i>				
8.	Freon - 12 is							
	1) <i>CF</i> ₃ <i>Cl</i>	2) CHCl ₂ F	3) CF_2Cl_2	4) CFCl ₃				
9.	Molecular formula	of DDT has						
	1) 5 Cl atoms	2) 4 Cl atoms	3) 3 Cl atoms	4) 2 Cl atoms				
10.		ing compounds is used	l as a refrigerant					
	1) CHC\(\ell_3\)	2) ^{CCℓ} ₄	3) C ₂ H ₆	4) CCℓ ₂ F				
	KEY							
	1) 2 2) 3	2 3) 3 4) 3 5) 1	6) 1 7) 2 8) 3	9) 1 10) 4				

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SUB TOPIC - V

	I) It gives propionic a II) It has an ester fun III) It has a nitrogen	ctional group			one of the following (EAMCET-2009)
	IV) it has a cyanide g	•			
	1) IV	2) III	3) II	4) I	
2.	$C_2H_5OH + SOCl_2 \xrightarrow{Pyridine} x$	x + y + z in this reac	ction x, y and z res	spectively are	(EAMCET -2008)
	1) $C_2H_4Cl_2$, SO_2 , HCl		Cl, SO_2, HCl 3)	G_2H_5Cl , SOCl, HCl 4	C_2H_4 , SO_2 , Cl_2
3.	Identity 'B' in the fol	lowing reaction	4	$\xrightarrow{drous \ AlCl_3} A \xrightarrow{2H} \xrightarrow{Z_R-Cu \ in} B +$	HCl (EAMCET - 2007)
	1) <i>CH</i> ₇	2) C_2H_6	3) C_2H_5Cl	$4) C_2 H_5 O H_5$	I
4.	$C_2H_5Cl \xrightarrow{dry \ Ag_2O} A \xrightarrow{360^0} A \xrightarrow{360^0}$	$\rightarrow B \xrightarrow{S_2Cl_2} C$ In the	above sequence o	of reactions identify	· 'C' (EAMCET-2007)
	1) Chloretone				Lewisite gas
5.	_	A	ne presence of lig	ght at ordinary tem	oortant product,'X' on aperature gives Y, what (EAMCET-2007)
	1) C_2H_6	2) C_2H_4	3) C_2H_5Cl	4) $C_2H_5OH_5$	I
			,	,	
6.	Which of the following	ıg can give a griş	gnard reagent who	en reacted with ma	ngnesium in dry ether ? (EAMCET-2006)
6.	Which of the following 1) C_2H_6		gnard reagent who $3) C_2H_5OH$	en reacted with ma $4)^{C_2H_5CN}$	ngnesium in dry ether ? (EAMCET-2006)
	1) C ₂ H ₆	2) C ₂ H ₅ Cl	3) C_2H_5OH	$4) C_2H_5CN$	ngnesium in dry ether ? (EAMCET-2006)
6. 7.		2) C ₂ H ₅ Cl	3) C_2H_5OH	$4) C_2H_5CN$	ngnesium in dry ether ? (EAMCET-2006)
	1) C ₂ H ₆	2) C ₂ H ₅ Cl	3) C_2H_5OH	4) C_2H_5CN I chloride forms eth	ngnesium in dry ether ? (EAMCET-2006)
	1) C_2H_6 Which of the following	2) C ₂ H ₅ Cl ng reagents when 2) Zn/HCl	3) C_2H_5OH heated with ethy 3) Alcoholi	4) ^{C₂H₅CN} I chloride forms eth c - KOH 4)HI	ngnesium in dry ether ? (EAMCET-2006) nylene (EAMCET-2006)
7.	1) C_2H_6 Which of the followin 1) Aqueous KOH	2) C ₂ H ₅ Cl ng reagents when 2) Zn/HCl s are particularly	3) C_2H_5OH heated with ethy 3) Alcoholic substituted by S_N	4) C ₂ H ₅ CN I chloride forms eth c - KOH 4)HI ² mechanism be ca	ngnesium in dry ether ? (EAMCET-2006) nylene (EAMCET-2006)
7.	1) C ₂ H ₆ Which of the followin 1) Aqueous KOH Tertiary alkyl halides 1) Steric hindrance	2) C ₂ H ₅ Cl ng reagents when 2) Zn/HCl s are particularly 2) Induc	3) C_2H_5OH heated with ethy 3) Alcoholi substituted by S_N ctive effect 3) In	4) C_2H_5CN I chloride forms ethorized to a comparison of the	regnesium in dry ether ? (EAMCET-2006) regnesium in dry ether ? (EAMCET-2006) use of (EAMCET-2005) Insolubility
7. 8.	1) C ₂ H ₆ Which of the followin 1) Aqueous KOH Tertiary alkyl halides	2) C ₂ H ₅ Cl ng reagents when 2) Zn/HCl s are particularly 2) Induc	3) C_2H_5OH heated with ethy 3) Alcoholi substituted by S_N ctive effect 3) In	4) C_2H_5CN I chloride forms ethorized to a constability 4. $C_2H_5OH \leftarrow \frac{AgOH}{B}$	ngnesium in dry ether ? (EAMCET-2006) nylene (EAMCET-2006) use of (EAMCET-2005)

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- 10. What is the molecular formula of the product formed when Benzene is reacted with ethyl chloride in presence of anhydrous aluminium chloride (EAMCET 2004)
 - 1) C_8H_{10}

2) C_6H_6

- 3) C₈H₈
- 4) C₆H₅C*l*

11. Identify A and B in the following reaction

(EAMCET 2004)

- 1) A = aq.KOH, B = AgOH
- 2) A = alc.KOH, B = aq.NaOH
- 3) $A = aq.NaOH, B = AgNO_2$
- 4) $A = AgNO_2$, $B = KNO_2$
- 12. Which of the following ractions is an example of nucleophilic substitution reaction?

(AIPMT 2009)

- 1) $2 RX + Na \rightarrow R R + 2 NaX$
- 2) $RX + H_2 \rightarrow RH + HX$

3) $RX + Mg \rightarrow RMgX$

- 4) $RX + KOH \rightarrow ROH + KX$
- 13. In S_N2 substitution reaction of the type $R-Br+Cl^- \xrightarrow{DMF} R-Cl+Br^-$ which one of the following has the highest relative rate? (AIPMT 2008)
 - 1) $CH_3 CH_3 CH_2 Br$ $CH_3 CH_3 CH_2 Br$

2) CH₃ CH₂ Br

3) CH₃ – CH₂ – CH₂Br

4) $CH_3 - C - CH_2 - Br$

KEY

- 1) 2 2) 2 3) 2 4) 3 5) 3 6) 2 7) 3
- 8) 1 9) 4 10) 1 11) 1 12) 4 13) 2