Multiple Choice Questions

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Class	and isomerism of alast a	
	IMHT-CET 2005	s, phenols and ethers
	LIVITI - CFT 200m	A STATE CONCID

	6-trinitrophenol is	20051			
I	14.0				
1	a) tear gas b) picric acid	c) chloropicrin d) all of these			
l	Which of the following compounds is optic	ally active?			
ľ	a) 1-Butanol c) Acetaldehyde	b) Isopropyl alcohol			
l	U -	0) 2-Butan-1			
		2008]			
	The IUPAC name of H ₃ C-CH-C ₃ H ₇ is				
	The IUPAC name of H ₃ C-CH-C ₃ H ₇ is OC ₃ H ₇				
	1 -ropayy pentane				
	a	b) pentyl propyl ether			
	[MHT-CET	d) 2-pentoxy propane			
	Which of the following compounds is optic	2009]			
į,		b) Butanol			
	- 0 1				
	[MHT-CET	d) 2-Methylpropan-2-ol			
	m				
j.		c) 2° > 1° > 3° d) 1° > 3° > 2°			
	[MHT-CET				
	of five carbon atoms with one methyl grou				
		c) 4 d) 5			
	[MHT-CET	2019]			
	How many metameric ethers are represent	ted by the molecular formula $C_4H_{10}O$?			
	a) 5 b) 3	c) 2 a) 4			
	Which of the following compounds is dihy	dric phenol?			
	a) m C 1 b) Pyrogallol	c) Phioroglucinoi di Resoremoi			
	Which of the Collegeing compounds does no	ot have a carboxyl group:			
	a) Picric acid b) Malic acid	c) Acrylic acid d) Glutaric acid			
0.	IIIDAO CO LA Lalio	and all abonol			
	a) Benzene-1, 3-diol	b) 4-Methyl phenol			
	c) 4-Hydroxy benzaldehyde	d) Benzene-1, 2-diol			
l,	The IUPAC name of neopentyl alcohol is	n 2 ol			
	a) 2-Methylpropan-1-ol	b) Butan-2-ol d) 3-Methylbutan-2-ol			
	0 0				
	() 2, 2-Dimethylpropan-1-01	2020]			
	What is IUPAC name of phenetole?	b) Methoxy benzene			
	a) 1-phenoxy propane	d) Ethoxy benzene			
	c) 2-phenoxy propane	a) Euros)			
-	Phenoxy propare				

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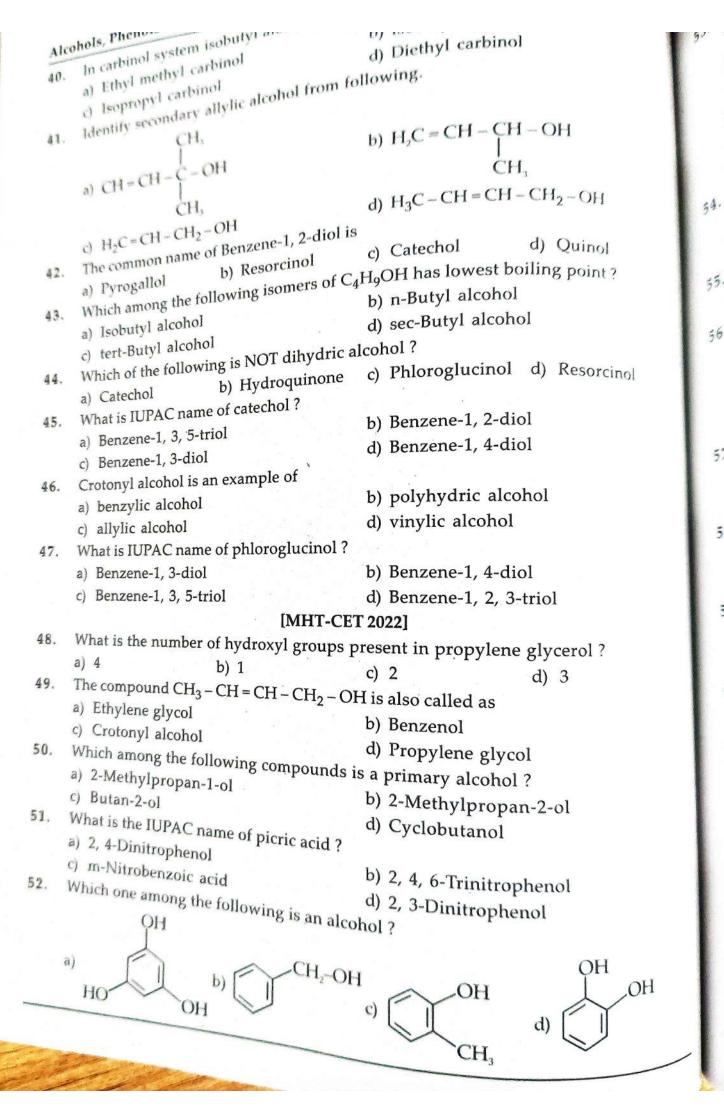
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H.J.-CEL

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from acetone 1

$$CH_3 - CH_2 - Mg - I$$

Which of the following Grignard reagents, is used to prepare 2-methylpentan-2-ol from acetone?

 $_{0}$ CH₃ - CH₂ - CH₂ - Mg - I

the reaction stated below is named as

$$\begin{array}{c}
OH \\
\downarrow i) NaOH \\
\downarrow ii) CO_2, H^+
\end{array}$$

$$\begin{array}{c}
OH \\
COOH$$

a) Kolbe's reaction

Reimer - Tiemann reaction

b) Sandmeyers reaction

d) Stephen reaction

Which of the following processes of preparation of phenol yields valuable by product acetone?

a) From isopropyl benzene using air and further acid hydrolysis

b) From aniline by diazotization

c) From benzene sulphonic acid by treating with NaOH, H+

d) From chlorobenzene by Raschig process

Which of the following alcohols is NOT prepared by reduction of carbonyl compounds?

a) 2-Methylpentan-2-ol

b) Pentan-1-ol

c) 3-Methylpentan-2-ol

d) Pentan-2-ol

[MHT-CET 2021]

Which of the following compounds on reaction with Grignard's reagent followed by hydrolysis forms primary alcohol? d) Methanal

a) Propanal

b) Propanone

c) Ethanal

Identify the product obtained in the following reaction.

CI NO₂
$$\xrightarrow{i) \text{NaOH}, 433K}$$
 Product $\xrightarrow{ii) H_3O^+}$

a) m-Nitrophenol

b) o-Nitrophenol

d) p-Nitrophenol

Which of the following compounds on reaction with Grignard reagent followed by c) CH₃CH₂COCH₃ d) CH₃COCH₃ hydrolysis forms secondary alcohol?

b) HCHO

Identify the product formed in the following reaction,

entify the product formed in the following the product
$$CH_3 - CH = CH - CH_2 - CHO \xrightarrow{i) LiAlH_4} Product$$

b) $CH_3 - CH_3 - C$

i)
$$LiAiH_4$$
 Product
ii) H_3O^+ CH - CH = Cl

a) $CH_3 - CH = CH - CH_2 - OH$

O CH3-(CH2)3-CH2-OH

Identify compound A from following reaction.

 $A + C_2H_5MgBr \xrightarrow{dry} B \xrightarrow{H_3O^+} 3\text{-methylpentan-3-ol}$

a) Butanal

b) Propanone

d) Butanone

	434 MHT.	Alcohols, Whi	
	Alcohols, Phenols and Ethers Methods of preparation of alcohols and phenols [Methods of preparation of J. J. O.H. cannot be obtained by the red	Alco Whi	
	In and the	74. from	
	Methods of IMH1-CE Annot be obtained by the red	a) (
Methods of preparation [MHT-CET 20091 [MHT-CET 20091 [MHT-CET 20091] [MHT-CET 20091] [Methods of preparation [MHT-CET 20091 [MHT-CET 20091] [MHT-CET 20091] [MHT-CET 20091] [Methods of preparation [MHT-CET 20091 [MHT-CET 20091] [MHT-CET			
	which alcohol of more b) 2-Methylpropan-2-ol		
	which alcohol ? carbonyl compound ? carbonyl compound ? d) Butan-2-ol	0)	
	a Mathylpiot	75. The	
a) 2-Method c) Butanol [MHT-CET 2016] b) Calcium phosphate b) Cobalt naphthenate			
	b) Calcium phosphate		
	65. Name the catalyst does d) Cobalt naphthenate		
	a) Silica aluminium chloride		
a) Silica c) Anhydrous aluminium chloride [MHT-CET 2019] [MHT-CET 2019]			
	(c) Anhydrous draw [MHT-CET 2013] 66. Propene when treated with cold conc. H ₂ SO ₄ forms a compound which on heating	a)	
	66. Propene when treated	(c)	
	with water gives with water gives b) butan-1-ol b) butan-1-ol b) butan-1-ol b) butan-1-ol b) butan-1-ol	76. W	
	a) propant a hydroboration followed by oxidation with hydrogen peroxide.	ac	
		a)	
	1 1 2 2 2	b)	
	acchityl alcohol	c)	
	[MH1-CE1 2020]	d	
	68. Identify the product B in following conversion.	77. W	
		77. a	
Chlorobenzene + $H_2O \xrightarrow{Cu, 673K} A \xrightarrow{conc. H_2SO_4} B$		c c	
	a) Benzene sulphonic acid b) 2-Hydroxybenzene sulphonic acid	,	
	c) 3-Hydroxybenzene sulphonic acid d) 4-Hydroxybenzene sulphonic acid		
69. Identify the products A and B in following reaction.		78. V	
•		1	
	Ethylpropanoate $\xrightarrow{i) \text{LiAlH}_4} A + B$	ã	
	, 0	79.	
	a) A = Butanoic acid, B = Methanoic acid b) A = Propanoic acid, B = Ethanoic acid, B = Ethanoic acid		
	70. Which of the following compounds is al. (a) A = Propan-1-ol, B = Ethanol		
	70. Which of the following compounds is obtained as valuable byproduct in preparation		
	a) Propan-1-ol h) Propand		
	71. Which of the following alcohol. c) Propanone d) Propan-2-ol	80.	
	71. Which of the following alcohols is NOT prepared by acid catalyzed hydration of a) Ethanol		
	c) Propan-1-ol b) 2-Methylpropan 2 ol	81.	
	72. Which of the following d) Program 2-ol	01.	
a) C ₆ H ₅ M ₉ B _r is reacted with home 11 Propan-2-ol			
	72. Which of the following is reacted with benzaldehyde to obtain 1-phenylethanol? 73. Which of the following reactions is considered with benzaldehyde to obtain 1-phenylethanol? 74. Which of the following reactions is considered with benzaldehyde to obtain 1-phenylethanol? 75. CH ₂ CH ₂ MgBr 76. CH ₂ CH ₂ MgBr 77. CH ₂ CH ₂ MgBr		
a) H-CHO C ₂ H ₅ Map (C) CH ₃ CH ₂ MgBr d) C ₆ H ₅ CH ₂ Mg ^{Br}			
73. Which of the following reactions yields propan-2-ol? (a) H-CHO C ₂ H ₅ MgBr/ether (b) CH ₃ MgBr (c) CH ₃ CH ₂ MgBr (d) C ₆ H ₅ CH ₂ MgBr (e) CH ₃ CH ₂ MgBr (f) C ₆ H ₅ CH ₂ MgBr			
	$H_{3O^{+}}$ h CV h CV	82.	
	c) $CH_3 - CH = CH_2 \xrightarrow{i)} cold.conc.H_2 SO$ b) $CH_3 - CH = CH_2 \xrightarrow{i)} B_2H_6 \xrightarrow{ii)} H_2O_2$	32.	
_	H_2 ii) H_2 O ₂		
	b) $CH_3 - CH = CH_2 \xrightarrow{i) cold.conc.H_2SO_4}$ c) $CH_3 - CH = CH_2 \xrightarrow{i) b) CH_3 - CH = CH_2 \xrightarrow{i) B_2H_6}$ d) $CH_3 - CO = CH_3 MgI/ether$		
	- CO CV CH31V161/C		

