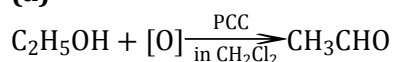


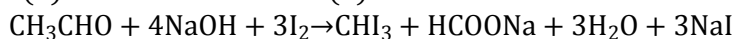
### Topic :-

1 (a)



(X)

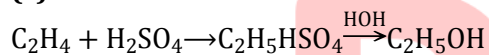
(Y)



(Y)

(yellow ppt  
tri-iodomethane)

2 (c)

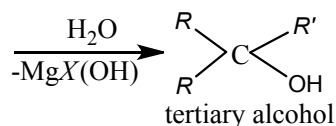
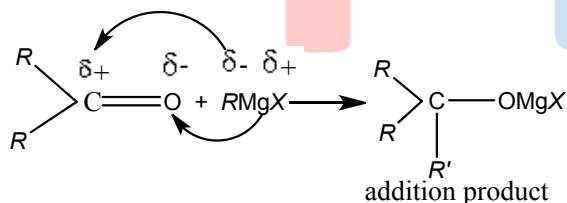


5 (b)

Tertiary alcohols show replacement of —OH gp. more readily.

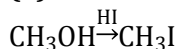
6 (c)

Ketones give an addition product having more number of carbon atoms with Grignard reagent, which on hydrolysis gives an alcohol (3°).



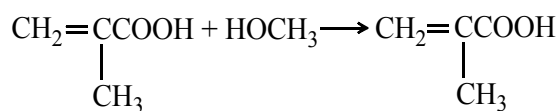
Formaldehyde gives primary alcohol with Grignard reagent while any other aldehyde except formaldehyde give secondary alcohol.

7 (a)



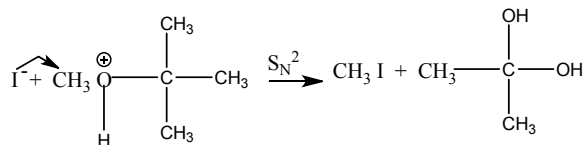
8 (b)

Perspex rubber is polymethyl methyl acrylate (PMMA) is obtained by methyl acrylate obtained as:

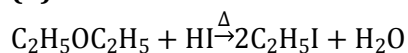


10 (b)

Here, ether is the solvent. Being less polar, it favours  $\text{S}_{\text{N}}2$  reaction and the nucleophile  $\text{I}^-$  attacks the  $1^\circ$  carbon of  $\text{CH}_3$ .



11 (d)



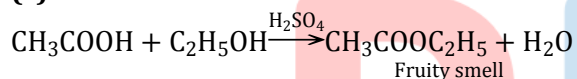
14 (d)

Due to more sites available for H-bonding.

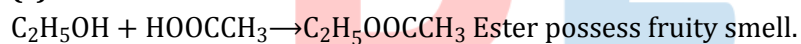
15 (a)

The fermented liquid is technically called wash containing 6-10% ethanol, 3-5% glycerol, higher alcohols (fusel oils), acetaldehyde, etc.

16 (c)



17 (c)



18 (d)

Phenol ( $\text{C}_6\text{H}_5\text{OH}$ ) is carbolic acid.

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

**PE**