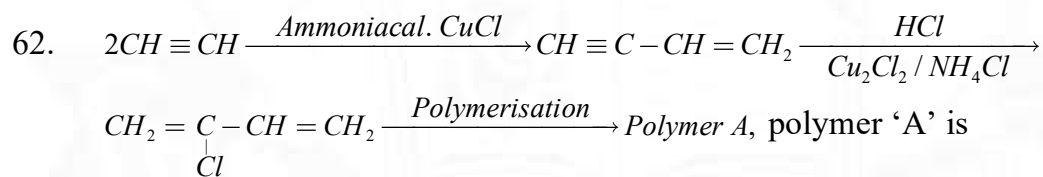
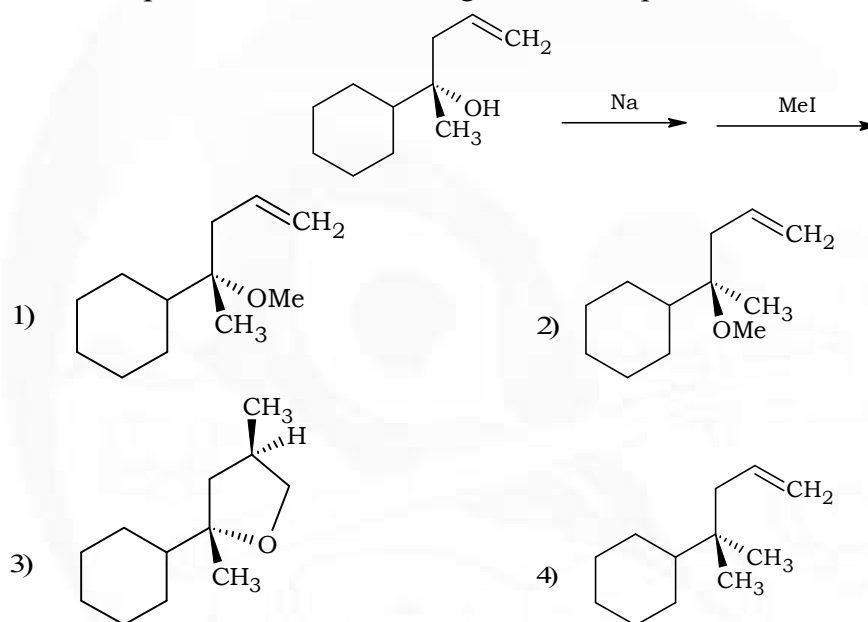


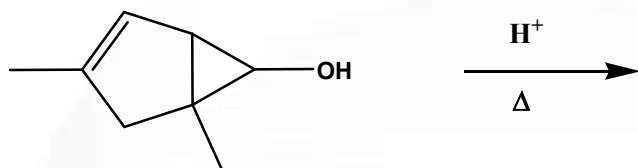
**CHEMISTRY**

61. The main product of the following reaction sequence is



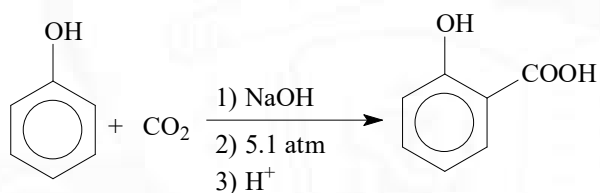
- 1) PVC                      2) neoprene                      3) chloroprene                      4) Gutta-percha

63. Find the product of the reaction ,



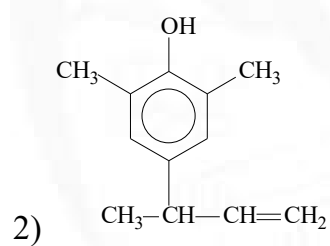
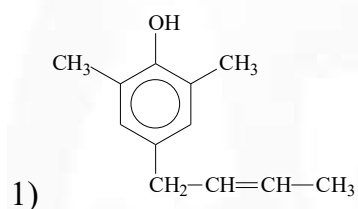
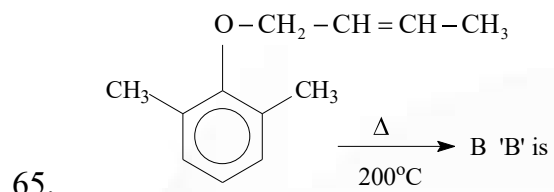
- 1) 2) 3) 4)

64.

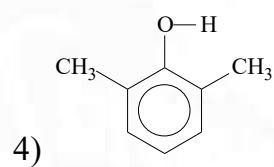


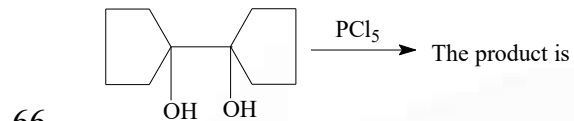
Name of the above reaction is

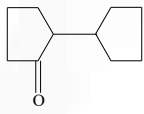
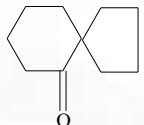
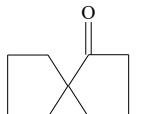
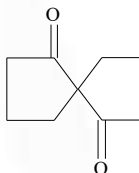
- 1) Kolbe's reaction                      2) Elb's reaction  
3) Reimer – Tiemann's reaction      4) Duff's reaction.

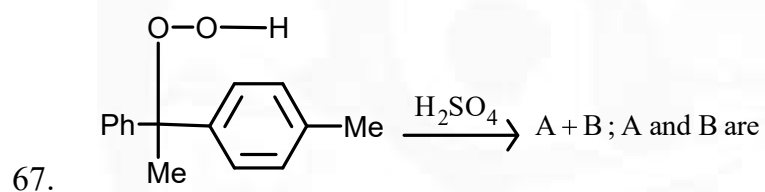


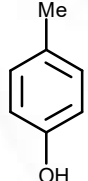
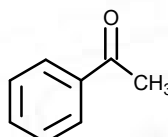
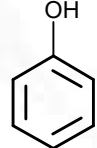
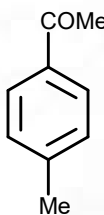
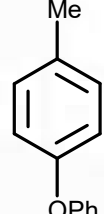
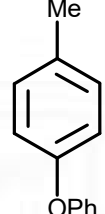
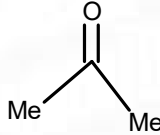
3) Both 1 and 2





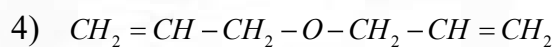
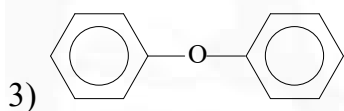
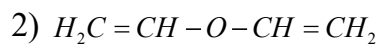
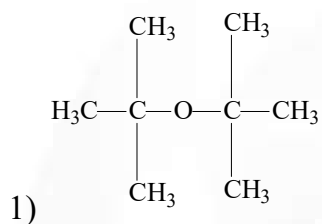
- 1)  2)  3)  4) 



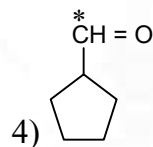
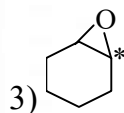
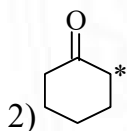
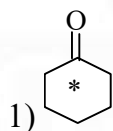
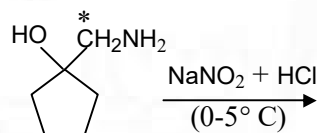
- 1)  and  2)  and  3)  and MeOH 4)  + 



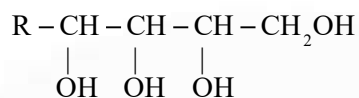
71. Which of the following ether can be prepared by using Williamson's synthesis



72. The product P (major) of the following reaction is



73. How many moles of HCOOH is formed, due to the oxidation with HIO<sub>4</sub> of,



- |      |      |
|------|------|
| 1) 1 | 2) 2 |
| 3) 3 | 4) 4 |

74. Teflon is

- |                           |                           |
|---------------------------|---------------------------|
| 1) a linear chain polymer | 2) a cross-linked polymer |
| 3) a condensation polymer | 4) a co-polymer           |

75. Which is an example of thermosetting polymer?

- |              |             |
|--------------|-------------|
| 1) Polythene | 2) PVC      |
| 3) Neoprene  | 4) Bakelite |

76. The catalyst used in the manufacture of polyethylene by Ziegler method is

- 1) Titanium tetrachloride and triphenyl aluminium
- 2) Titanium tetrachloride and triethylaluminium
- 3) Titanium dioxide
- 4) Titanium isopropoxide

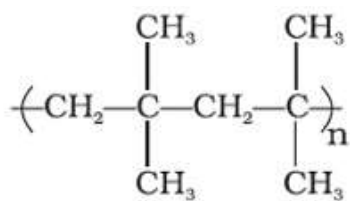
77. Polymer which has amide linkage is

- |               |             |
|---------------|-------------|
| 1) Nylon - 66 | 2) Terylene |
| 3) Teflon     | 4) Bakelite |

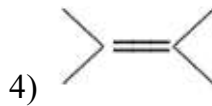
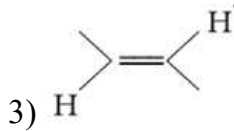
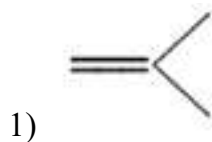
78. Which of the following is not a natural polymer?

- |              |            |
|--------------|------------|
| 1) starch    | 2) protein |
| 3) cellulose | 4) nylon   |

79



is a polymer having monomer units of





80. Which of the following is chain growth polymer ?

- |                  |              |
|------------------|--------------|
| 1) Polypropylene | 2) Bakelite  |
| 3) Nylon – 6,6   | 4) Nylon – 6 |

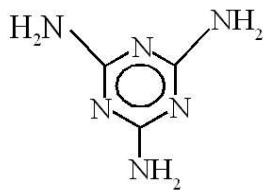
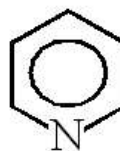
81. Buna – S is obtained when 1,3 – butadiene adds to :

- |                 |                 |
|-----------------|-----------------|
| 1) Acrolein     | 2) Neoprene     |
| 3) Vinylbenzene | 4) Chloroprene. |

82. Melamine plastic crockery is made of polymer material, the raw materials of which are :

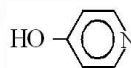
1)  $\text{CH}_3\text{CHO}$  and  $\text{CH}_3\text{NH}_2$

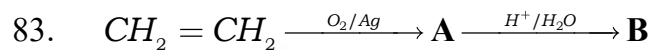
2)  $\text{HCHO}$  and



3)  $\text{HCHO}$  and

4)  $\text{HCHO}$  and

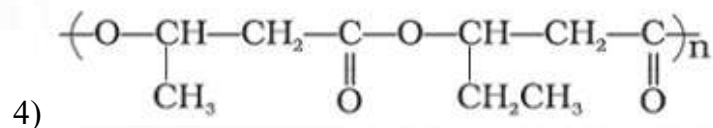
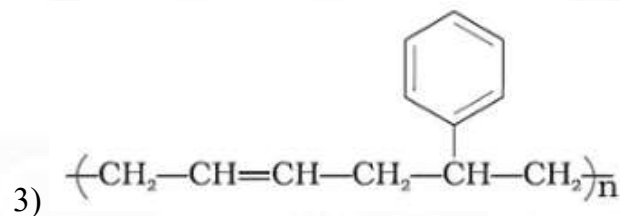
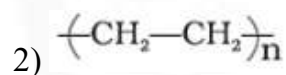
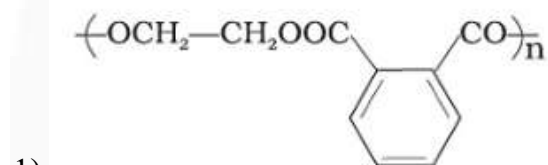




Using compound B, a group of the following polymers can be synthesized :

- |                      |                       |
|----------------------|-----------------------|
| 1) Terylene, glyptal | 2) Nylon-66, dacron   |
| 3) Dacron, nylon-6   | 4) Thiokol, Buna – S. |

84. In which of the following polymers ethylene glycol is one of the monomer units?



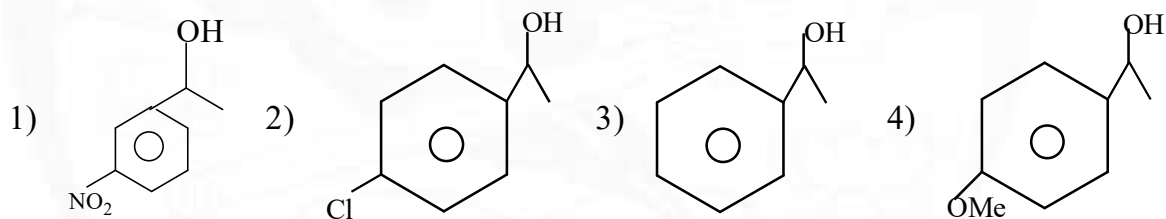
85.



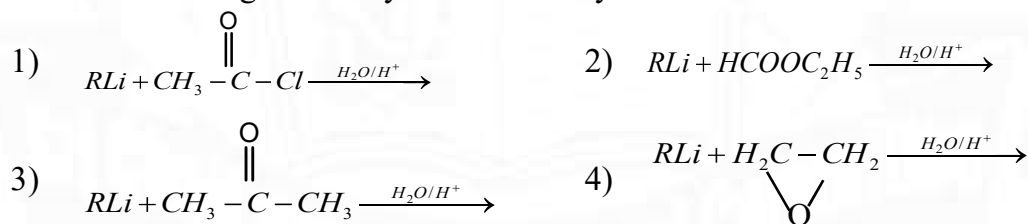
The reagents used for the above conversion

- |   |  |
|---|--|
| 1) $\text{Cu} / \Delta, \text{CH}_3\text{CH}_2\text{MgCl} / \text{H}_3\text{O}^+$ | 2) $\text{CrO}_3, \text{C}_2\text{H}_5\text{MgCl} / \text{H}_3\text{O}^+$                                  |
| 3) $\text{KMnO}_4, \text{C}_2\text{H}_5\text{MgCl} / \text{H}_3\text{O}^+$        | 4) $\text{Na}_2\text{Cr}_2\text{O}_7 / \text{H}^+, \text{C}_2\text{H}_5\text{MgCl} / \text{H}_3\text{O}^+$ |

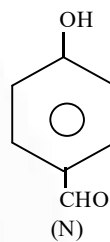
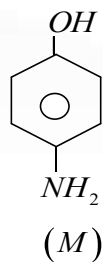
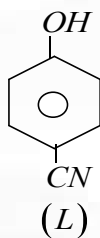
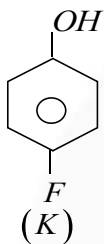
86. One of the following alcohols undergo dehydration easily



87. One of the following reaction yields secondary alcohol



88. The correct order of acidic strength



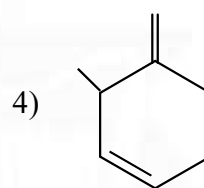
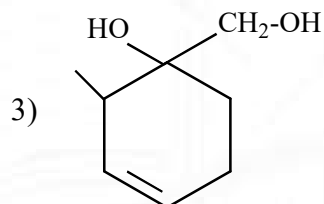
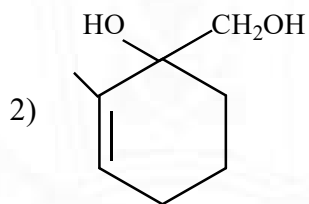
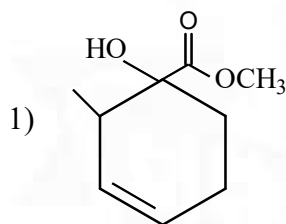
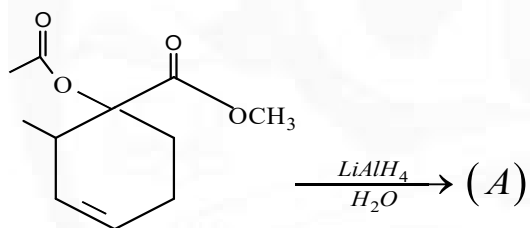
1)  $N > L > K > M$

2)  $L > N > K > M$

3)  $L > K > N > M$

4)  $N > K > L > M$

89.



90. Phenol is not the product in one of the following reaction

