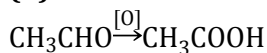
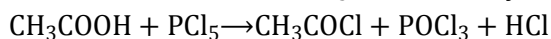


5 (d)



6 (c)

Acetic acid reacts with PCl_5 to form acetyl chloride.

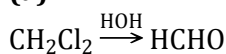


acetic acid acetyl chloride

9 (d)

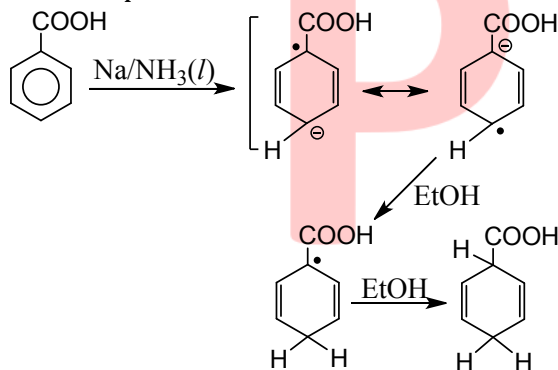
$\text{C}_6\text{H}_5\text{COOH}$ is solid, less soluble in water and burn with smoky flame.

11 (a)



12 (b)

When aromatic carboxylic acids are subjected to Birch reduction (*ie*, Na or K in NH_3 and an alcohol), 1, 4-addition of hydrogen takes place and 1, 4-cyclohexadiene carboxylic acids are produced



13 (c)

Picric acid is 2,4,6-trinitrophenol.

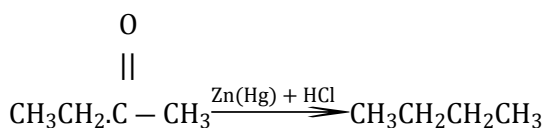
14 (c)

Herbicides are the substances that kills plants or inhibit their growth. Selective herbicides affect only particular plant types, making it possible to attack weeds growing among cultivated plants.

15 (d)

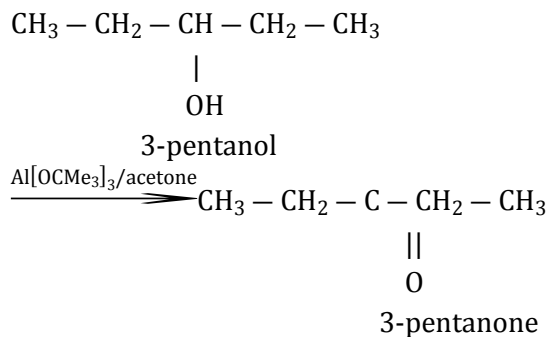
Carbonyl compounds are reduced to corresponding alkanes with ($\text{Zn} + \text{conc. HCl}$).

It is called Clemmensen reduction.



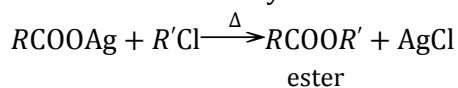
16 (c)

Aluminium tertiary butoxide is an oxidising agent used for the oxidation of secondary alcohols into ketones.

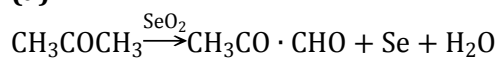


18 (b)

The silver salt of fatty acid on refluxing with an alkyl halide, give an ester.

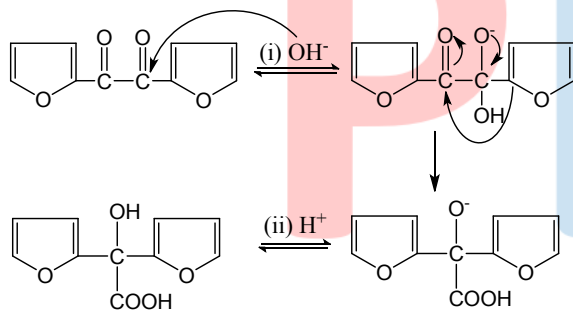


19 (a)



20 (c)

1, 2 diketone undergoes rearrangement to α -hydroxy carboxylic acid in presence of base. This reaction is known as benzilic acid rearrangement



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

PE