

Q.43. Nitration of naphthalene gives 1-nitronaphthalene and not 2-nitronaphthalene—Explain.

Ans. :

See Question No. 41

Q.44. How would you convert naphthalene into

(i) 1-naphthoic acid

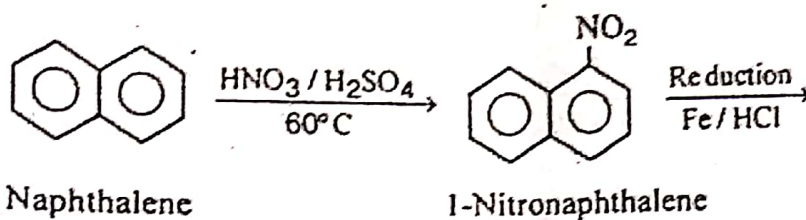
(ii) 1-naphthol

(iii) Grignard reagent of naphthalene

(v) 1-naphthaldehyde.

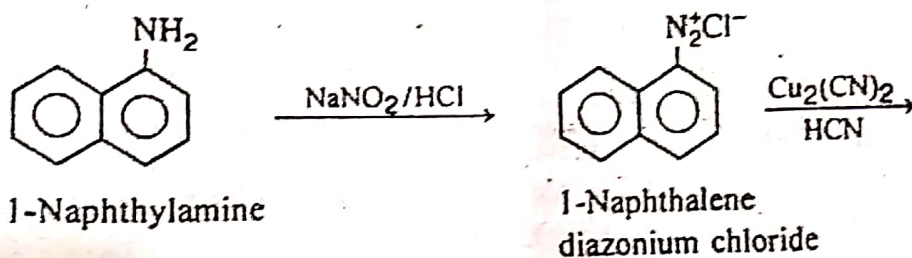
Ans. :

(i) *Naphthalene to 1-naphthoic acid*



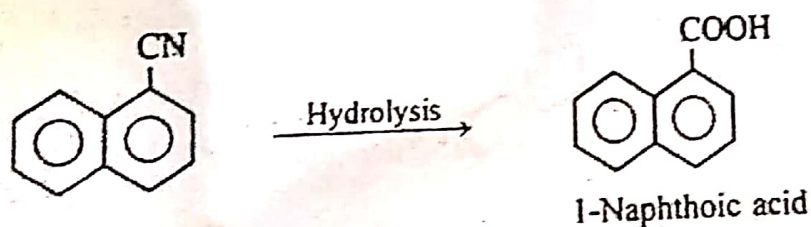
Naphthalene

1-Nitronaphthalene



1-Naphthylamine

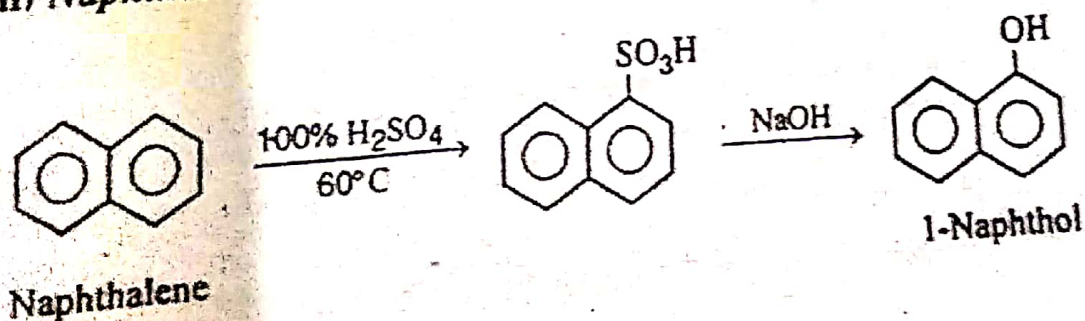
1-Naphthalene diazonium chloride



1-Naphthoic acid

[Note : This diazo salt can be used to prepare 1-naphthol, 1-halo compounds etc. by usual methods]

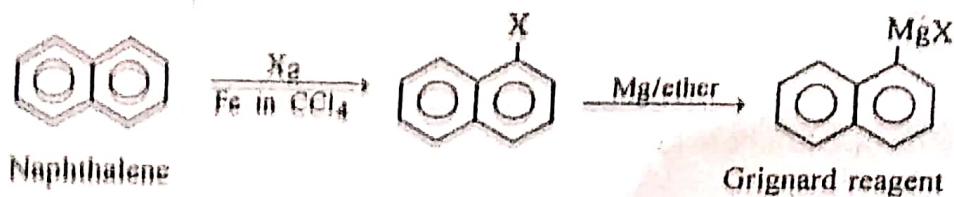
(ii) *Naphthalene to 1-naphthol*



Naphthalene

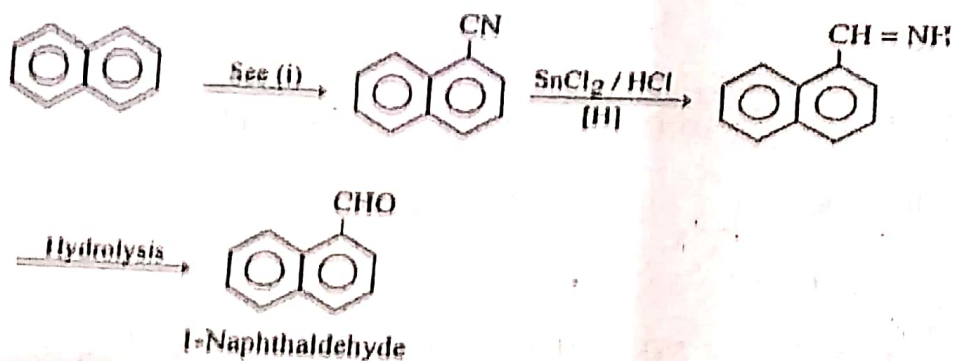
1-Naphthol

(iii) Naphthalene to Grignard reagent of naphthalene



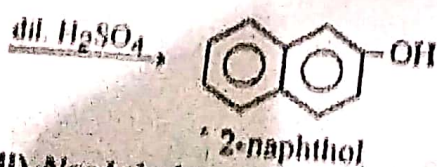
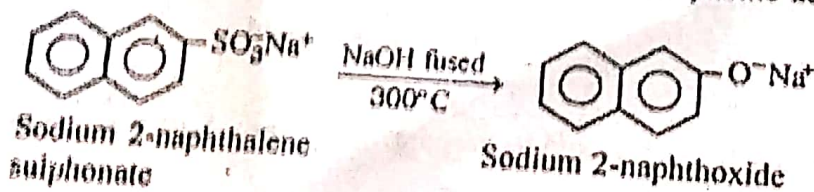
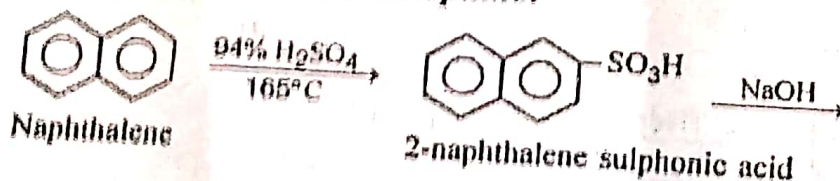
[Note : This Grignard reagent can be used to prepare aldehydes, ketones by usual methods]

(iv) Naphthalene to 1-naphthaldehyde



Q.45. How would you convert naphthalene into
 (i) 2-naphthol (ii) 2-naphthoic acid (iii) 2-nitronaphthalene
 (iv) 2-naphthaldehyde (v) Saccharin

Ans. : (i) Naphthalene to 2-naphthol



(ii) Naphthalene to 2-naphthoic acid

