B.Sc (Prog) Industrial chemistry Sem VI

Polynuclear Hydrocarbons and Hetrocyclic Chemistry

Q1 Why pyridine is commonly used as solvent for chromium trioxide oxidation?

Q2 Give reaction of pyridine –N-oxide with:

A Fe/H+

B H2SO4/HNO3followed by Fe/H+

C HgSO4 and 20% oleum

Q3 Why nitration of pyridine –N-oxide takes place at 4 position ?

References:

Organic Chemistry by Mehta &Mehta

Organic Chemistry by Solomons