



Q.No.1. Answer the following short questions:

(5x6=30)

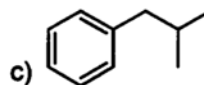
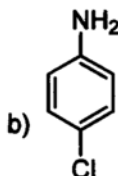
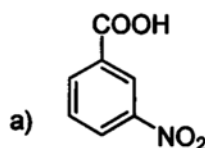
- Why nitrobenzene does not give Friedel craft acylation
- Why nitration of aniline is much faster than benzene?
- What is Fries rearrangement?
- Why phenyl group has greater migrating aptitude than alkyl group in Wagner-Meerwein rearrangement?
- Describe Feist-Benary synthesis of furan.

Answer the following questions.

Q. No. 2.

[9]

- I) How would you synthesize the followings from benzene? Write complete mechanism of each step involve.



- II) Describe S_N1 reaction in detail and explain how it would effected by solvent,base, leaving group and nucleophile.

[6]

Q. No. 3. Complete the following reactions and draw their mechanisms:

[3 x 5 = 15]

