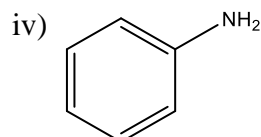
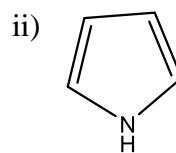
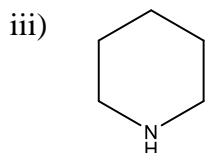
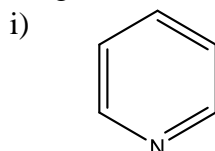


Assignment-1
Chemistry
Paper-C-402
Last Date of Submission- 18/06/2022

1. The strongest base among the following is (1)



2. Convert the following. (8)

i) Aniline to Benzoic acid

ii) Nitrobenzene to phenol

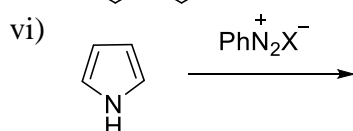
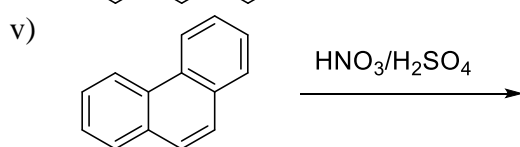
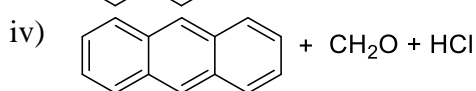
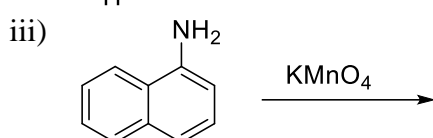
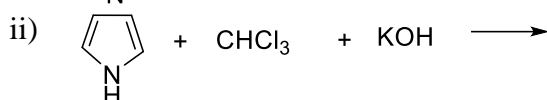
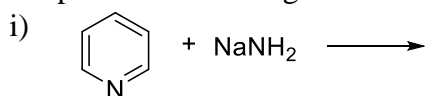
iii) Toluene to 1,3-dibromobenzene

iv) Benzene to *m*-nitrochlorobenzene

3. How will you distinguish between cyanides and isocyanides? (1)

4. Pyridine undergoes electrophilic substitution reactions preferably at C-3 position. Explain. (2)

5. Complete the following reactions. (6)



6. How can you synthesize phenanthrene starting from naphthalene? Write all the steps involved. (2)

7. What happens when an alcoholic solution of KOH and CHCl_3 is heated with aniline? (1)