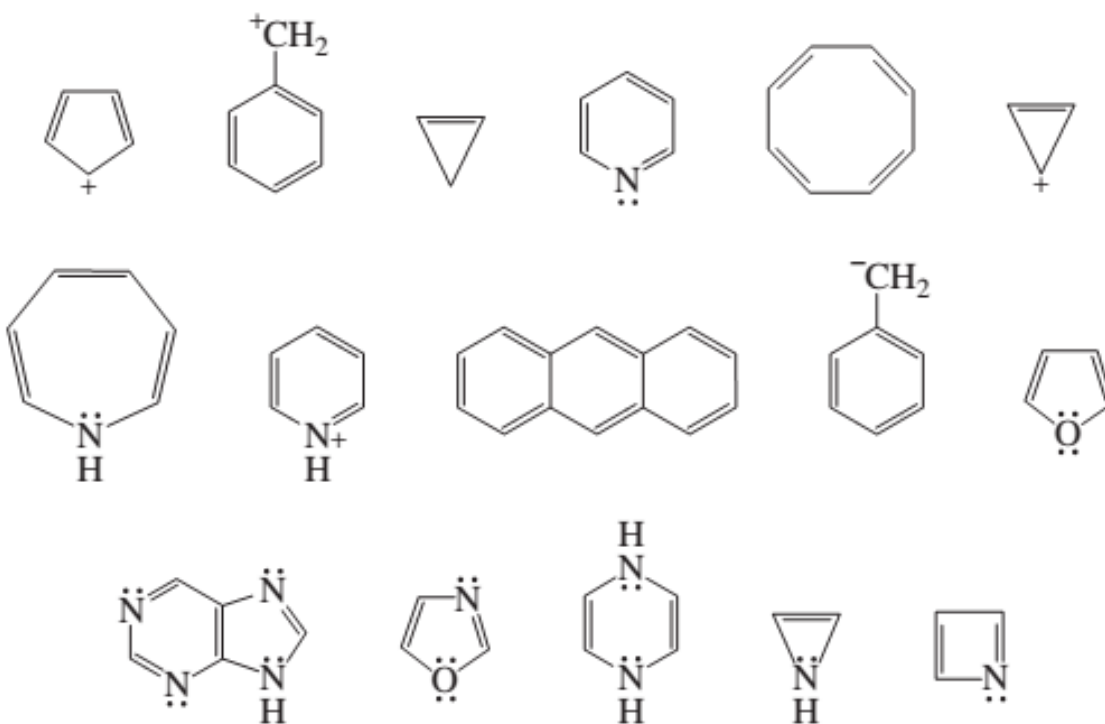


Homework-1-

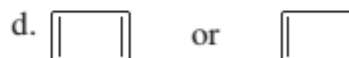
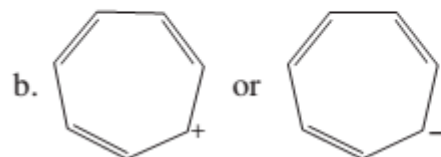
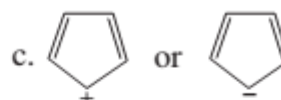
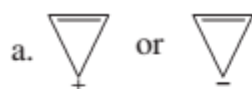
Organic Chemistry

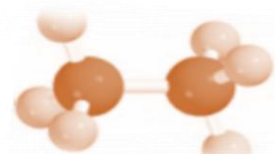
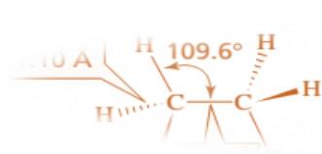
First class

Q1: which of following compounds are aromatic? Are any antiaromatic?



Q2: Which ion in each of the following pair is more stable?



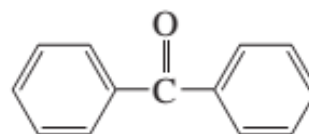
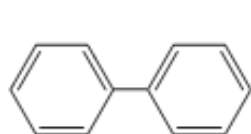
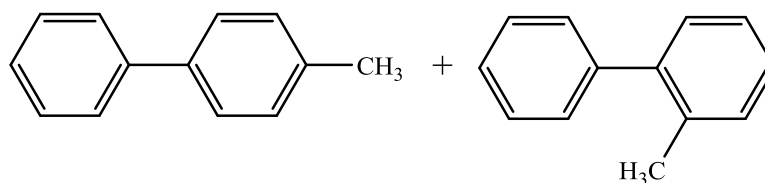


Homework-1-

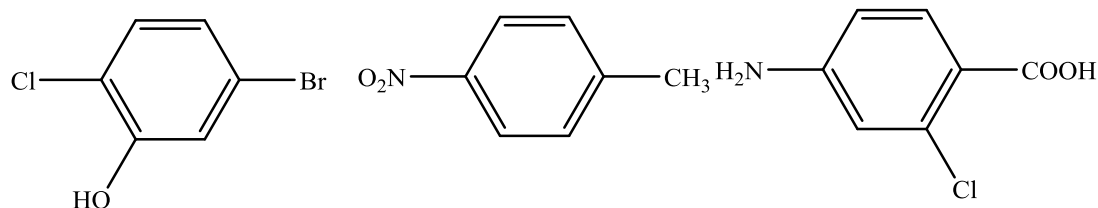
Organic Chemistry

First class

Q3: How could you prepare the following compound with benzene as one of the starting materials?



Q4: Give the IUPAC name to the following structures:



Q5: What be the major product of a friedel-crafts alkylation reaction using the following alkyl halides

- a. $\text{CH}_3\text{CH}_2\text{Cl}$
- b. $\text{CH}_3\text{CH}_2\text{CH}_2\text{Cl}$
- c. $\text{CH}_3\text{CH}_2\text{CH}(\text{Cl})\text{CH}_3$

- d. $(\text{CH}_3)_3\text{CCH}_2\text{Cl}$
- e. $(\text{CH}_3)_2\text{CHCH}_2\text{Cl}$
- f. $\text{CH}_2=\text{CHCH}_2\text{Cl}$