

RESULT : ORTHO / PARA SUBSTITUTION EVEN THOUGH IT IS SLIGHTLY DEACTIVATED RELATIVE TO BENZENE



6 πe^-

AROMATIC

(NOTE: N'S LONE PAIR DOES NOT OVERLAP WITH π SYSTEM)



10 πe^-

AROMATIC

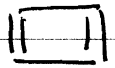
(NOTE: N'S LONE PAIR DOES OVERLAP WITH π SYSTEM)



8 πe^-

(2 πe^- FROM ANION)

ANTIAROMATIC



4 πe^-

ANTIAROMATIC

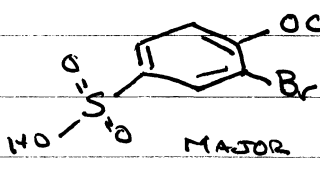


3 πe^-

(RADICAL CONTRIBUTES 1 πe^-)

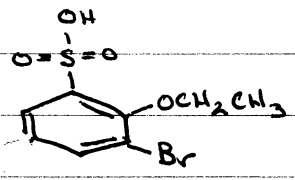
NON-AROMATIC

3. a)



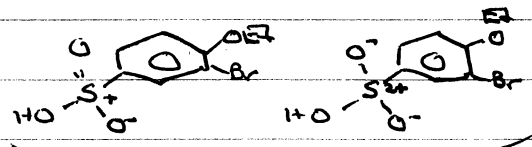
MAJOR

(A)



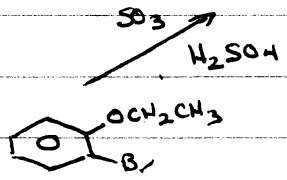
MINOR

NOTE:

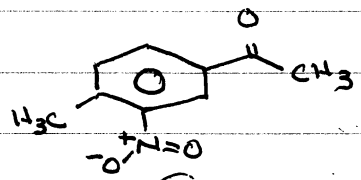
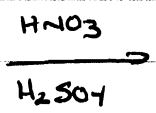
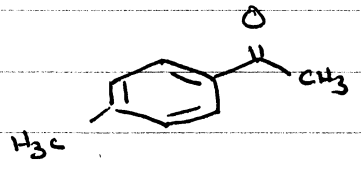


ARE ALSO OK AS VALENCE

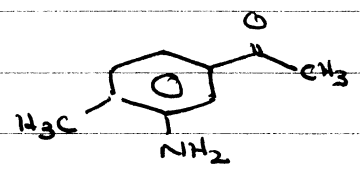
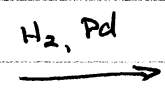
BOND FORMS



b)



(B)



(C)

