



GIET UNIVERSITY, GUNUPUR – 765022

M. Sc. (Second Semester) Examinations, September – 2021

20CHPC201 - Organic Chemistry – II

(Chemistry)

Time: 2 hrs

Maximum: 50 Marks

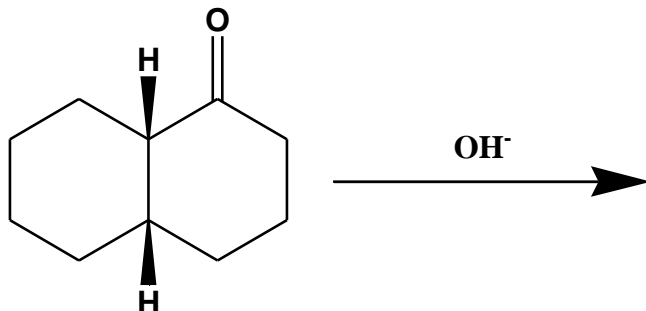
(The figures in the right hand margin indicate marks.)

PART – A

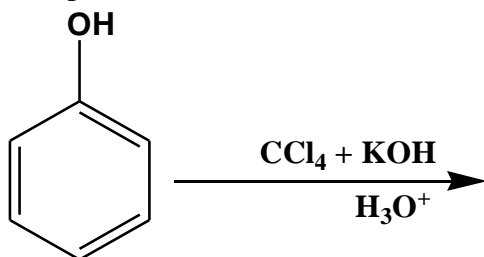
Q.1. Answer *ALL* questions

(2 x 10 = 20 Marks)

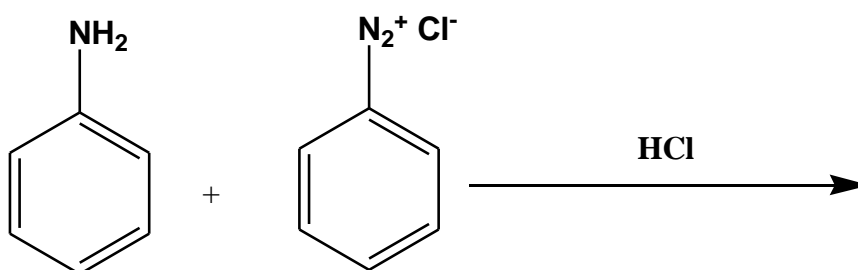
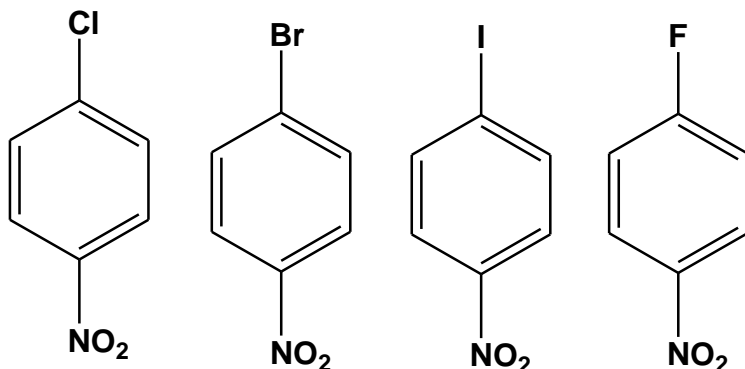
a. Write down the more stable Product



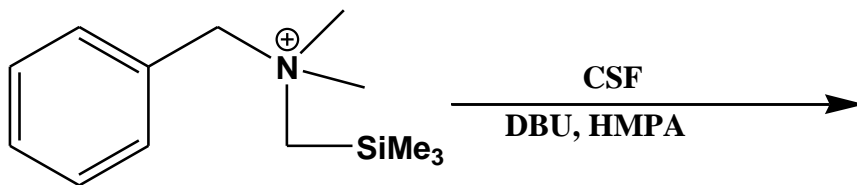
b. Complete the reaction.



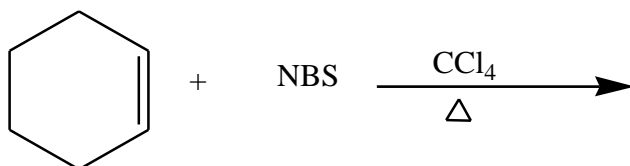
c. Write down the suitable product.

d. Compare the reactivity order towards S_NAr of the following sets.

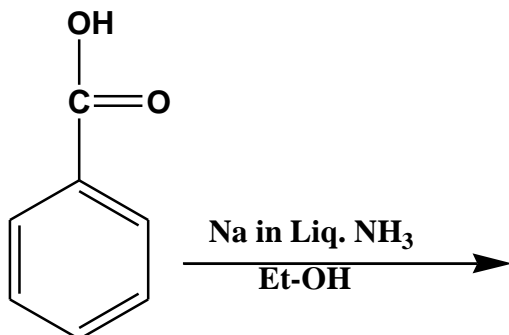
e. Complete the following reaction



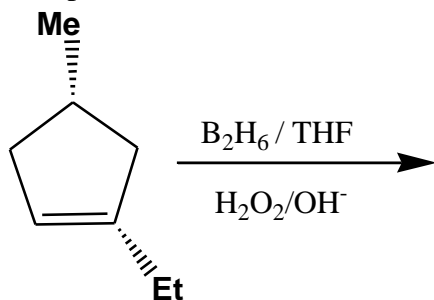
f. Complete the reaction



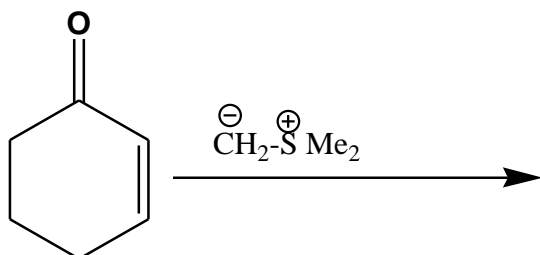
g. Complete the reaction



h. Complete the reaction



i. Complete the following reaction



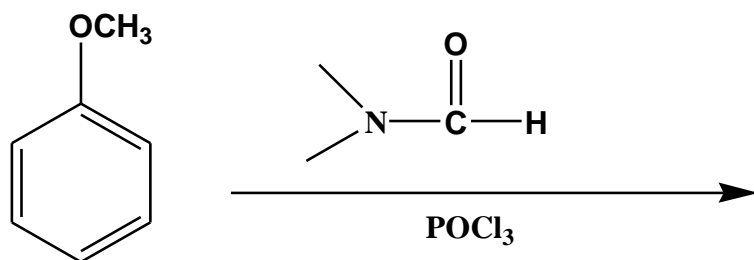
j. Difference between E² and E¹ reaction.

PART – B (6 x 5 = 30 Marks)

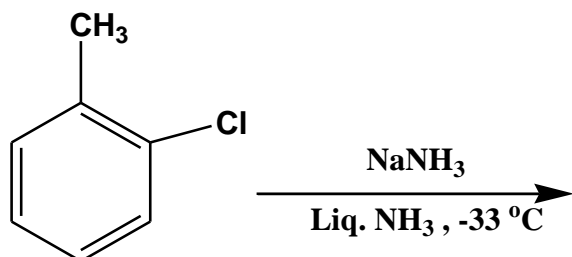
Answer ANY FIVE questions

Marks

- | | |
|---|-----|
| 2. Explain the mechanism of SE ² front and SE ² back. | (6) |
| 3. Explain Arenium ion mechanism. | (6) |
| 4. Draw the mechanism | (6) |



5. What is addition elimination reaction? Draw the mechanism of following reaction (6)



6. Discuss the mechanism of Sandmeyer reaction. (6)
7. Write reaction on oxymercuration and Demercuration. (6)
8. Write note on Saytzeff and Hofmann Elimination reaction. (6)

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