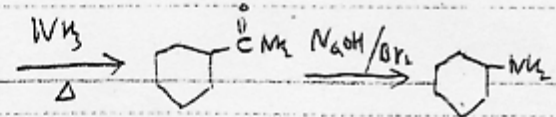
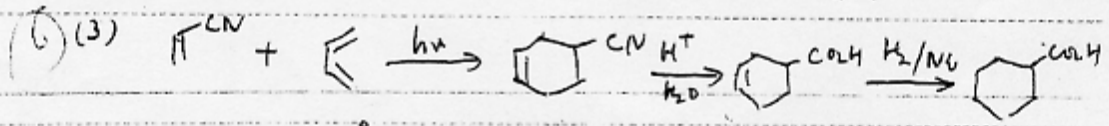
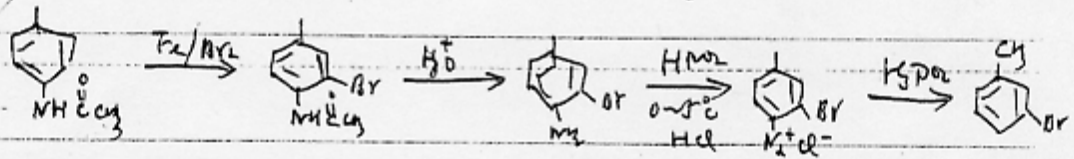
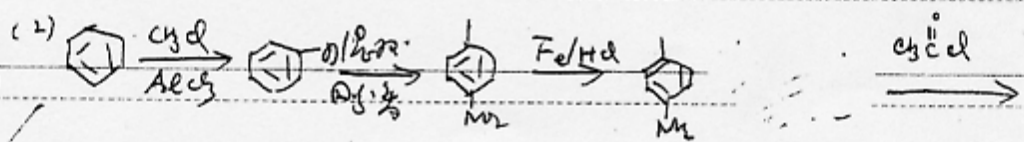
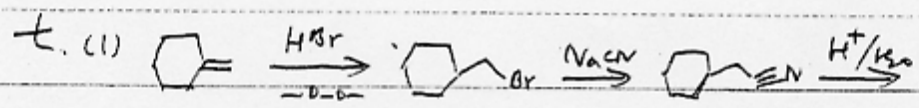
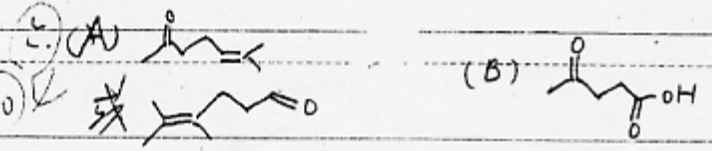


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- (1) B (2) D (3) B (4) C (5) B (6) D (7) A (8) B (9) A
 (10) A, C (11) D (12) B (13) B (14) D (15) A (16) C
 (17) D (18) D (19) A (20) C (21) D (22) B (23) C (24) B

1. RMgX 与 $\text{C}=\text{O}$ 反应 2. NaCN 与羧酸反应 3. 成盐反应 4. 水解反应
 → 产物为 3-oxo-4-oxo

5. 甲基乙基重排反应 $\text{C}=\text{C}$ 上取代基最多的烯烃



- 2 -

90
42
139