**Mechanism Pool**

* Bromination of trans-cinnamic acid (top side, phenyl side carbocation, anti) (theory, ,Lab 2)
* formation of E-only 2-butene from 2-butyne (see Power point)
* Hg2+ catalyzed hydration of propyne: keto-enol tautomer reaction

(see Power point)

* Friedel-Crafts substitution on benzene with t-butyl chloride to 1,4-ditertbutyl benzene (theory, lab 7)
* Fischer esterification reaction: 1-butanol + acetic acid to butyl acetate (lab 8, handout)
* Aldol condensation of acetone and benzaldehyde to dibenzalacetone (lab 9, handout)
* Cannizzaro reaction of benzaldehyde to benzyl alcohol and benzoic acid (lab 10, handout)

Oral Inquisition Rules

* Oral is worth 50 lecture pts
* One (1) mechanism will selected from a hat out of the seven (7) listed
* You may decline your first pick, but it costs 5 points
* Start with the overall reaction then write out mechanism.
* 1 question is asked for the selected mechanism once you have written it up on the white board (except for esterification-no questions
* -5 pts for each error in mechanism either oral or written
* Exceeding the 6 minute maximum without completing written mechanism costs 10 pts + any errors in what is written