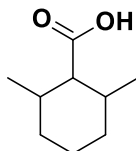


St. name:

Instructor: **G. Barghouti**

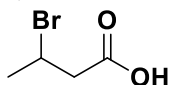
St. No.:

1) What is the correct IUPAC name of the following compound?

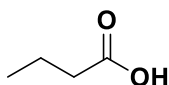


2,6-dimethylcyclohexane carboxylic acid

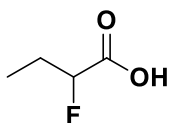
2) Which is the most acidic



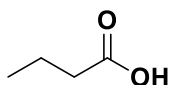
I



II



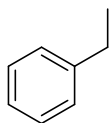
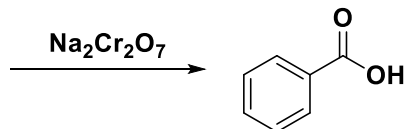
III



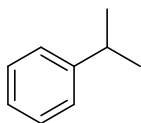
IV

A) I **B) II** C) III D) IV

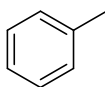
3) Which of the following can be used as starting material for the following reaction?



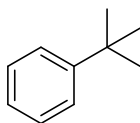
I



II



III



IV

A) I and III **B) I, II and III** C) II, III and IV D) I, II, III and IV

4) Which of the following statements is not correct about the substituent effect on the acidity of carboxylic acids

- A) Electron-donor groups destabilize a conjugate base, making an acid less acidic.
 B) Electron-withdrawing groups stabilize a conjugate base, making an acid more acidic.
 C) The conjugate base is stabilized if electron density is removed from the negatively charged carboxylate anion.
D) Electron-withdrawing groups destabilize a conjugate base, making an acid less acidic.