**11.10.2017 CHAPTER 3 Org-Chemistry -241**

| **1. Which of the following molecules contain the same functional groups?** |
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| A. I, II, III **B. I, II, IV** C. II, III, IV D. I, III, IV |
| **2. Why do heteroatoms confer reactivity on a particular molecule?**  A. Because they have lone pairs and create electron-rich sites on carbon.  **B. Because they have lone pairs and create electron-deficient sites on carbon.**  C. Because they are electronegative and act as electrophiles.  D.Because they are electropositive and act as nucleophiles.  **3. Which of the following molecules are aliphatic hydrocarbons?**    A. I, II, III B. II and IV C. II, III, IV **D. I and III**  **4. Which of the following correctly matches the molecules to the names of the functional groups?** |
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| A. II, III, IV B. II and IV **C. I and II** D. I, II, III  **5. Rank the following compounds in order of decreasing boiling point, putting the compound with the highest boiling point first.**    **I > IV > II > III**  **6. Which of the following compounds is expected to be H2O soluble?**    A. I **B. II**  C. III D. IV  **GOOD LUCK** |