Academic Honesty Policy. Academic honesty is strictly enforced on quizzes, exams, and other aspects of this course. Academic dishonesty will result in a failing grade in the class and a letter in the student’s file. Activities constituting academic dishonesty include:

Cheating
- Copying from others during an examination.
- Communicating exam answers with other students during an examination.
- Offering another person’s work as one’s own.
- Taking an examination for another student or having someone take an examination for oneself.
- Tampering with an examination after it has been corrected, then returning it for more credit.
- Using unauthorized materials, prepared answers, written notes, or concealed information during an examination.

Dishonest Conduct
- Stealing or attempting to steal an examination or answer key from the instructor.
- Allowing another student to copy off of one’s own work during a test.

Collusion
- Any student who knowingly or intentionally helps another student perform any of the above acts is subject to discipline for academic dishonesty.

I understand and will abide by this academic honesty policy: ____________________________ (signature) Seat: _______

1. Consider the stereoisomers of 2,3,4-pentanetriol. (5 pts)

   a. Draw the two meso stereoisomers of 2,3,4-pentanetriol:

   b. Draw the two chiral stereoisomers of 2,3,4-pentanetriol that constitute a pair of enantiomers:

   c. Are there any other stereoisomers of 2,3,4-pentanetriol? ________ If so, please draw them below:

2. Draw the structure for (3S,6S)-6-isopropyl-3-methyldecane. (Smith, 5.44d, 3 pts)

3. The specific rotation $[\alpha]$ of pure quinine, an antimalarial drug, is -165°. (Smith 5.60ce, 2 pts)

   a. What is the specific rotation $[\alpha]$ for the enantiomer of quinine? ________

   b. What is the specific rotation $[\alpha]$ for a solution containing 80% quinine and 20% of its enantiomer? ________