Department of Chemical Engineering

Minor Exam – 1, CHL275, 7 Feb 2014

Time: 1 hour

Max. Marks: 30

1. Estimate LFL, UFL and MOC for Propylene. $H_2C=C=CH_2$ (4x3)

   C_3H_6

2. What is 'Cubic Law' and what is its significance.   (6)

3. Determine the minimum compression ratio required to raise the temperature of air to the AIT of hexane (500^0 F). Assume an initial temperature 100^0 C and 1 atm.   (4)

4. What are the components of a successful safety program. (8)